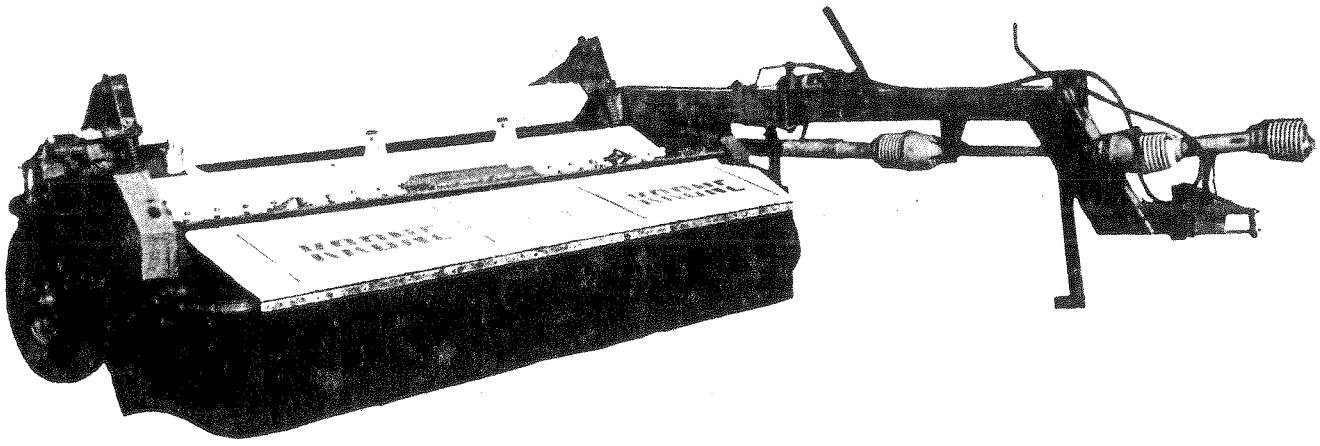
1976 + 1977.

KRONE
INSTRUCTION AND SPARE PARTS BOOK NO. 148 E

Turbo mowers TM 4/270
Turbo mowers TM 4/330

for TM 4/270 from machine no. 2125
for TM 4/330 from machine no. 750



Dear Customer :

By purchasing the Krone turbo mower, you have selected a mowing machine which will provide you with great efficiency and economy of operation, as well as a long life, an agricultural machine which has been proven throughout the world.

Before placing your machine in operation, you should read this instruction book carefully, taking note of each individual point; this will be to your advantage.

For the terms of the warranty, please see our general conditions of sale.

Yours very truly,

Bernard KRONE GmbH
Machinery Works

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Technical Data

	TM 4/270	TM 4 ../.. with conditioner	TM 4/330	TM 4/330 with conditioner
Working width	2,70 m	2,70 m	3,30 m	3,30 m
Transport width, swung outward	3,35 m	3,35 m	3,75 m	3,75 m
Transport width, in lengthwise traveling position	2,55 m	2,55 m	2,85 m	2,85 m
Transport length, in lengthwise traveling position	5,70 m	5,70 m	6,20 m	6,20 m
Overall height	1,17 m	1,42 m	1,17 m	1,42 m
Number of mowing cylinders	4	4	4	4
Number of knife blades per cylinder	2	2	4	4
RPM of splined shaft	540	540	1000	1000
RPM of cylinders	2220	2220	1975	1975
Approximate weight	1000 kg	1310 kg	1080 kg	1420 kg
Drive shaft connection	1 3/8"	1 3/8"	1 3/8"	1 3/8"
Working efficiency	6-8,5 acres/hour	6-8,5 acres/hour	8,5-11 acres/hour	8,5-11 acres/hour
Power consumption	60 HP	70 HP	70 HP	80 HP

Check list

After the turbo mower has been assembled and lubricated, check thoroughly to see that it is ready for operation before it is delivered to the customer. The following list is a summary of the individual check points. Check each individual point after it has been found to be satisfactory or a proper adjustment has been made.

1. Check whether the turbo mower has been assembled in accordance with the assembly instructions.
   Check all screws, nuts, bearings and adjusting rings for proper position.
2. Check the lug nuts to make sure they are tight. All wheel bearings, flanges and nuts should be checked.
3. Check tire pressure (32 psi).
4. Check all lubrication points; if necessary, lubrikate.
5. Make sure that all lubrication fittings accept grease, and that all gaskets form oil-tight seals.
6. Check all the belt pulleys for damage or rust, and remove any foreign bodies.
7. Check alignement of all the belt pulleys and all sprockets, then check the tension of all the belts and chains.
8. **Be sure that all knives and, where applicable, crop lifters are mounted in pairs and securely fastened.**
9. Adjust suspension springs properly.
10. Check to see that the conditioner mounting bolt is tight. Check conditioner chain for alignement and tension.
11. Check the stops for the upper conditioner roller for proper installation. There must be over 1/32" clearance between the rubber and the steel rollers.
12. Adjust swath plates.
13. **Be sure that all guards are attached.**

Test Run of the Turbo Mower

Run the turbo mower for a short time at low RPM; after turning off the tractor, check thoroughly to see that there are no loose screws or nuts. Check for hot-running bearings, binding parts, loose V-belts and chains, or other troubles.
Start tractor again. Let the turbo mower run for at most 15 minutes at low RPM. Then run the turbo mower for at least 15 minutes at full RPM and check the following:

1. Check hydraulic installation for leaks and for operating conditions.
2. Watch for vibration and unusual noises during the running period.
3. After the test run at full RPM, check again whether it is necessary to tighten screws and nuts, or chains or V-belts.

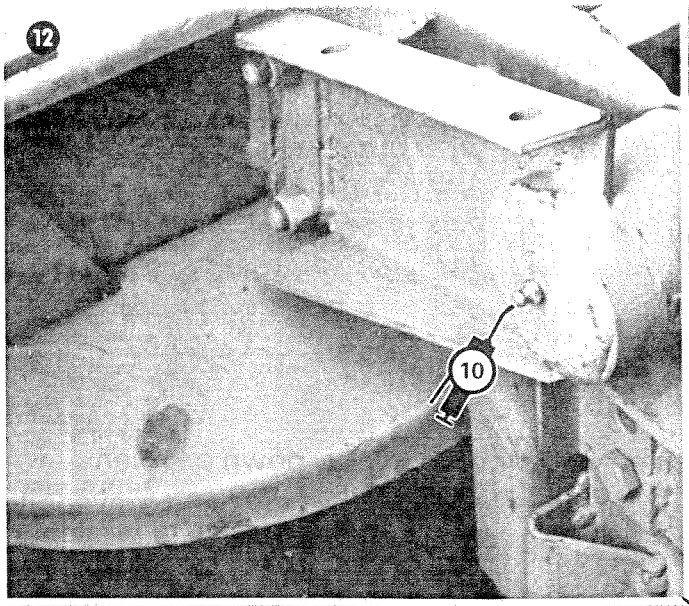
Safety Measures

Always turn off drive shaft and the tractor motor before you:

1. leave the tractor
2. lubricate
3. clean the mower or conditioner
4. adjust or repair the machine
5. check belt or chain tension

Always keep hydraulic cut-off valve closed when shutting the machinery down or when operating. When working on the machine, chock the wheels or lock the brakes to prevent it from mowing. Never work without guards, always replace torn guard cloths immediately.

Keep people out of the area of danger from flying objects. Be especially careful when mowing near houses, streets or trails. Always stay well away from a running machine. Never take passengers on the tractor. Limit your transport speed to a maximum speed of 30 KM per hour (20 MPH). Never take curves at high speeds when the mowing machine is in the lengthwise travel position. Attention at left hand turn "machine swings out".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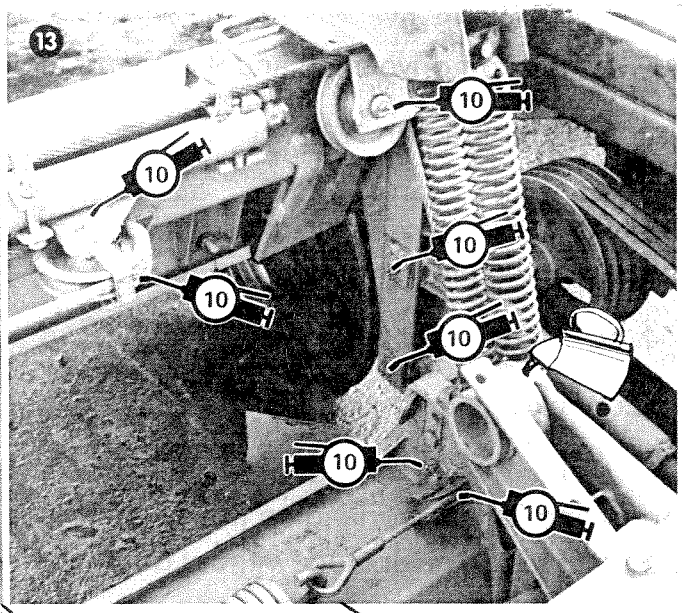
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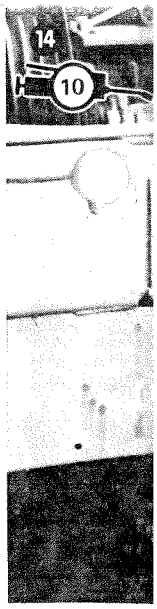
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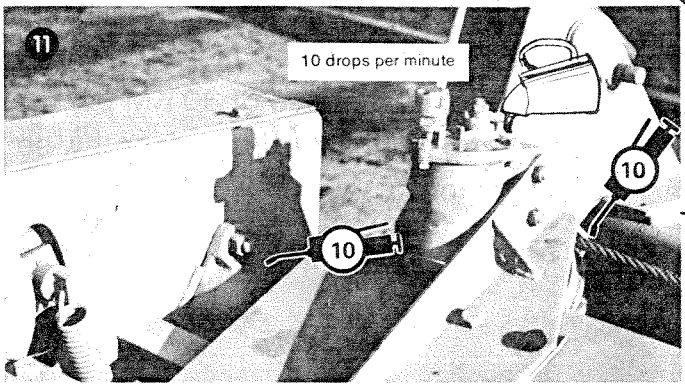
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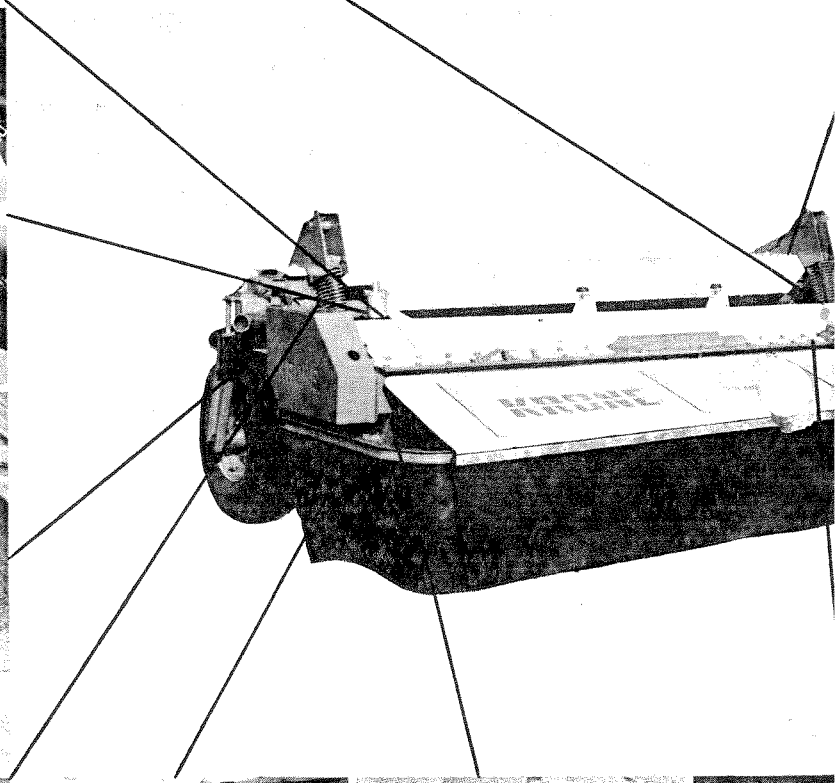
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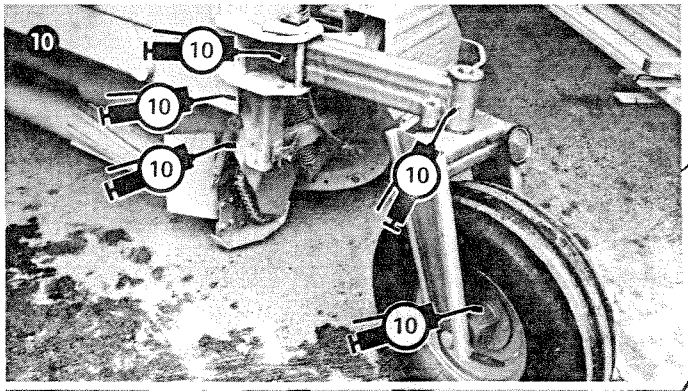
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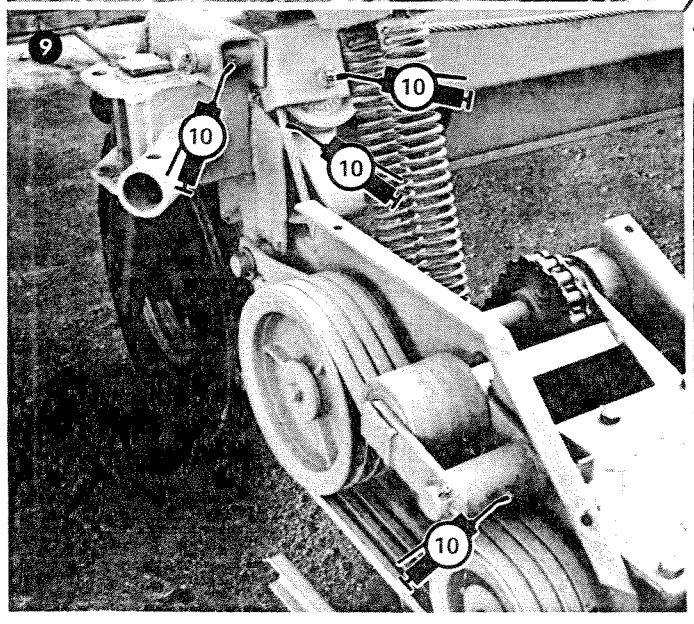
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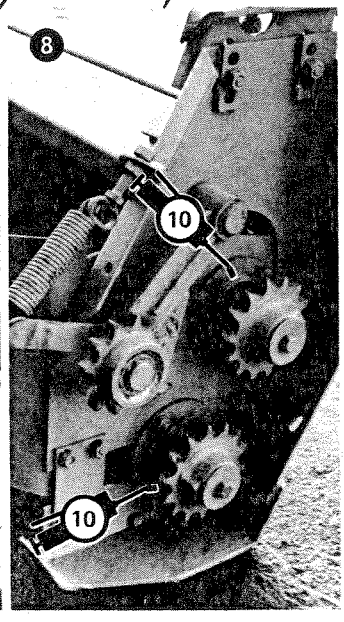
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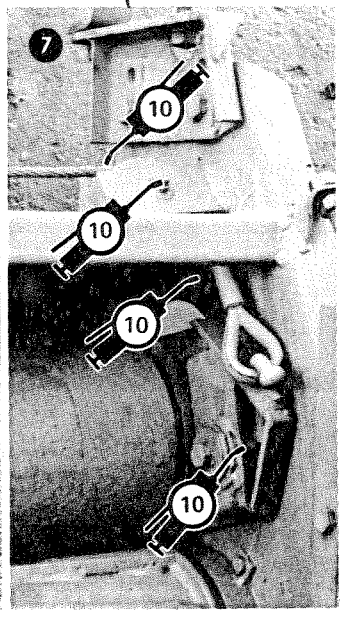
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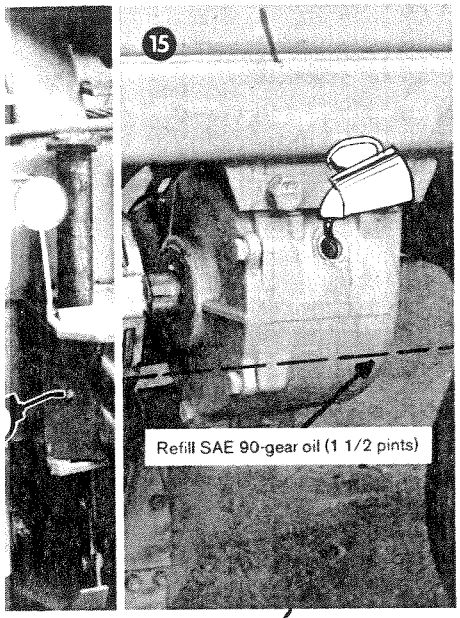
6
Refill only with fil
class O with anti
fill high middle

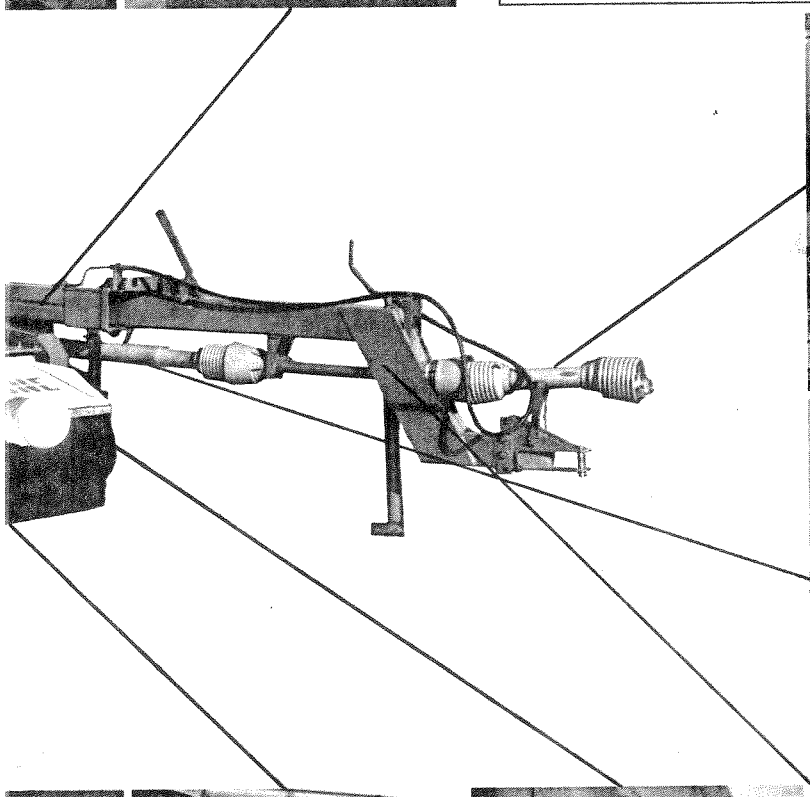
Lubrication

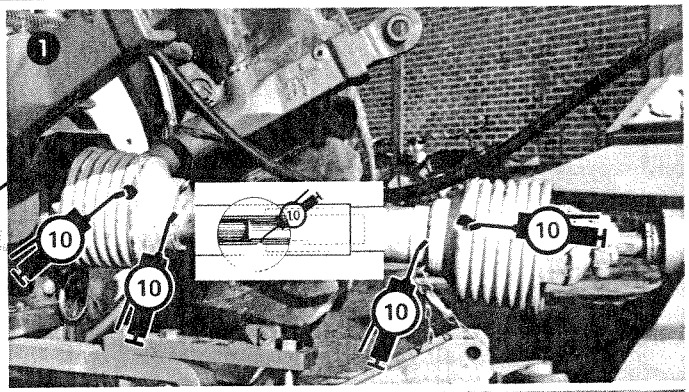
Lubricate machine only when it is not operating.

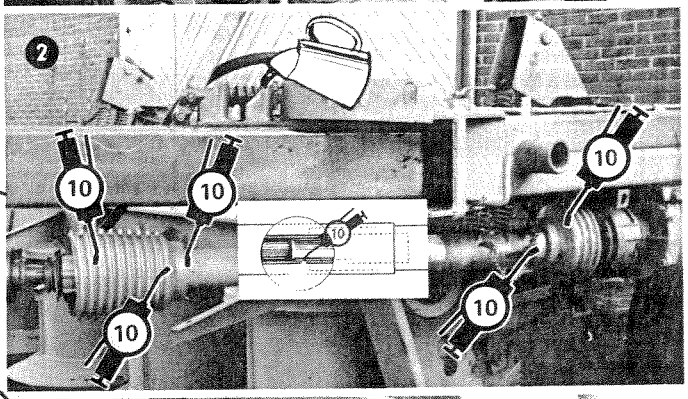
Use multi-purpose grease; frequency is given in hours (example : after every 10 operating hours).

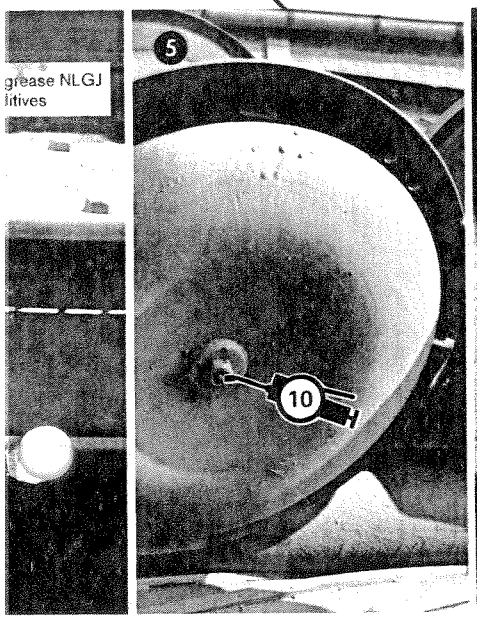
Oil is to be applied to places so designated.
If a special oil is required, then the designation is given on the corres ponding part. The cutter bar grease is to be replaced as neccessary. Fibre gear grease - NLGJ class O with antiwear additives.

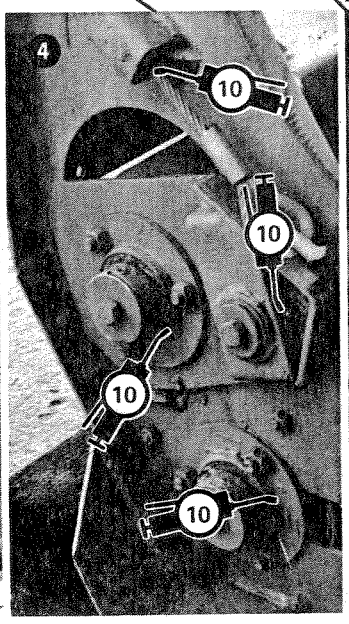


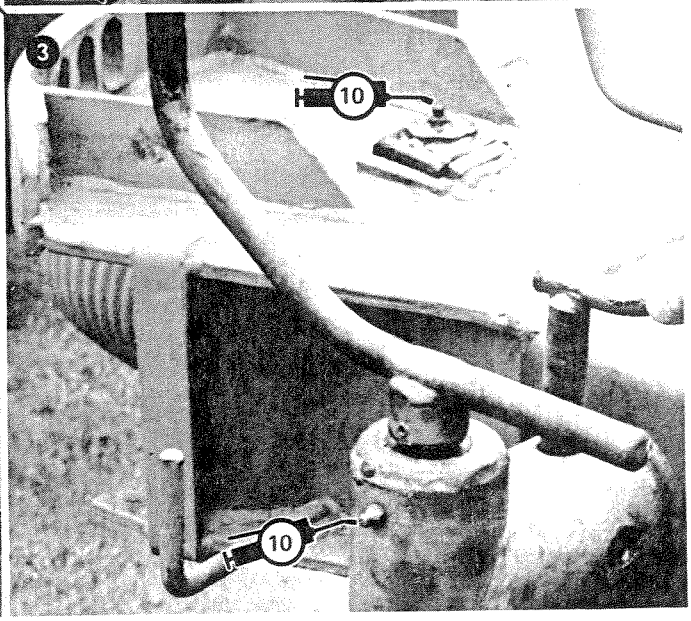


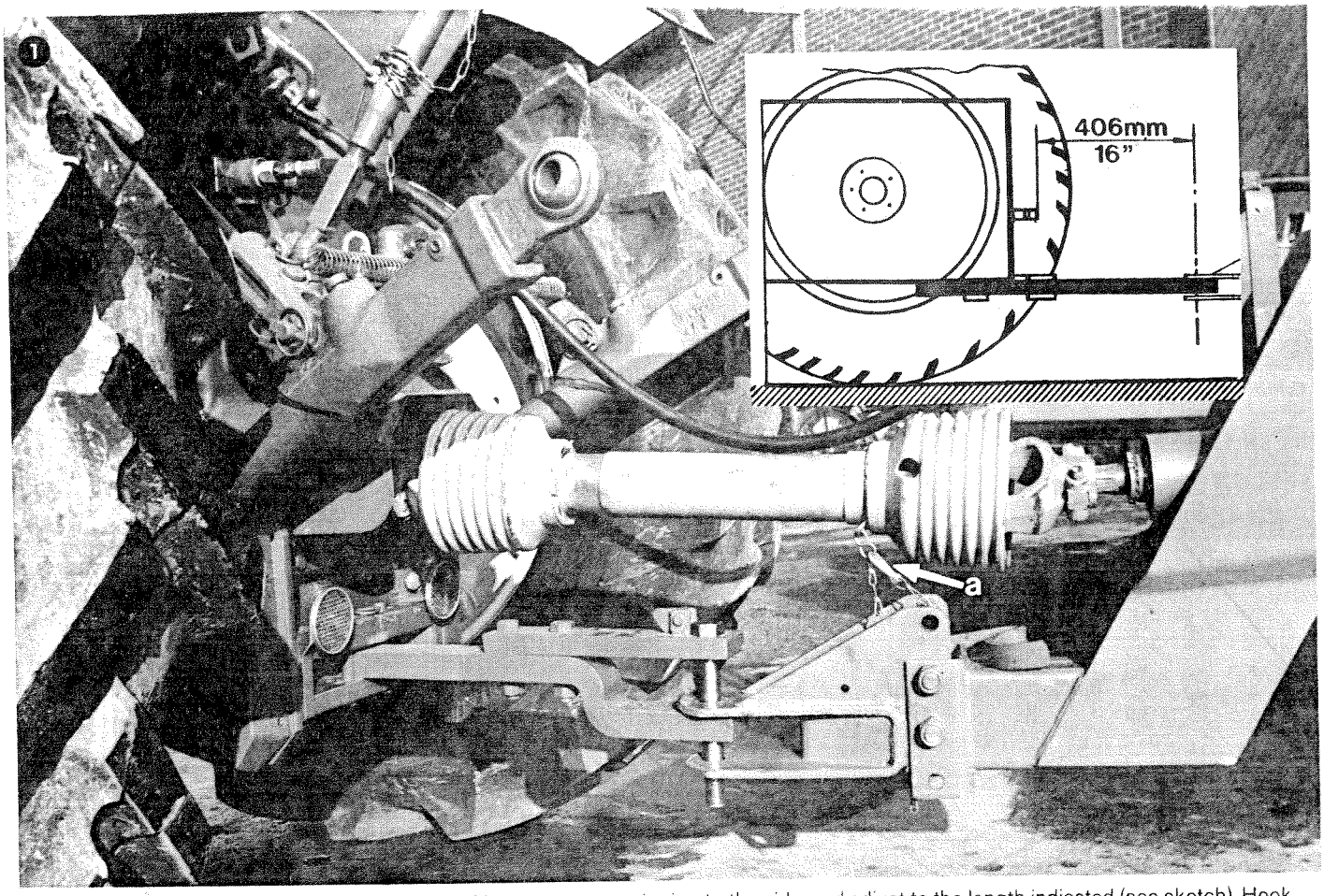




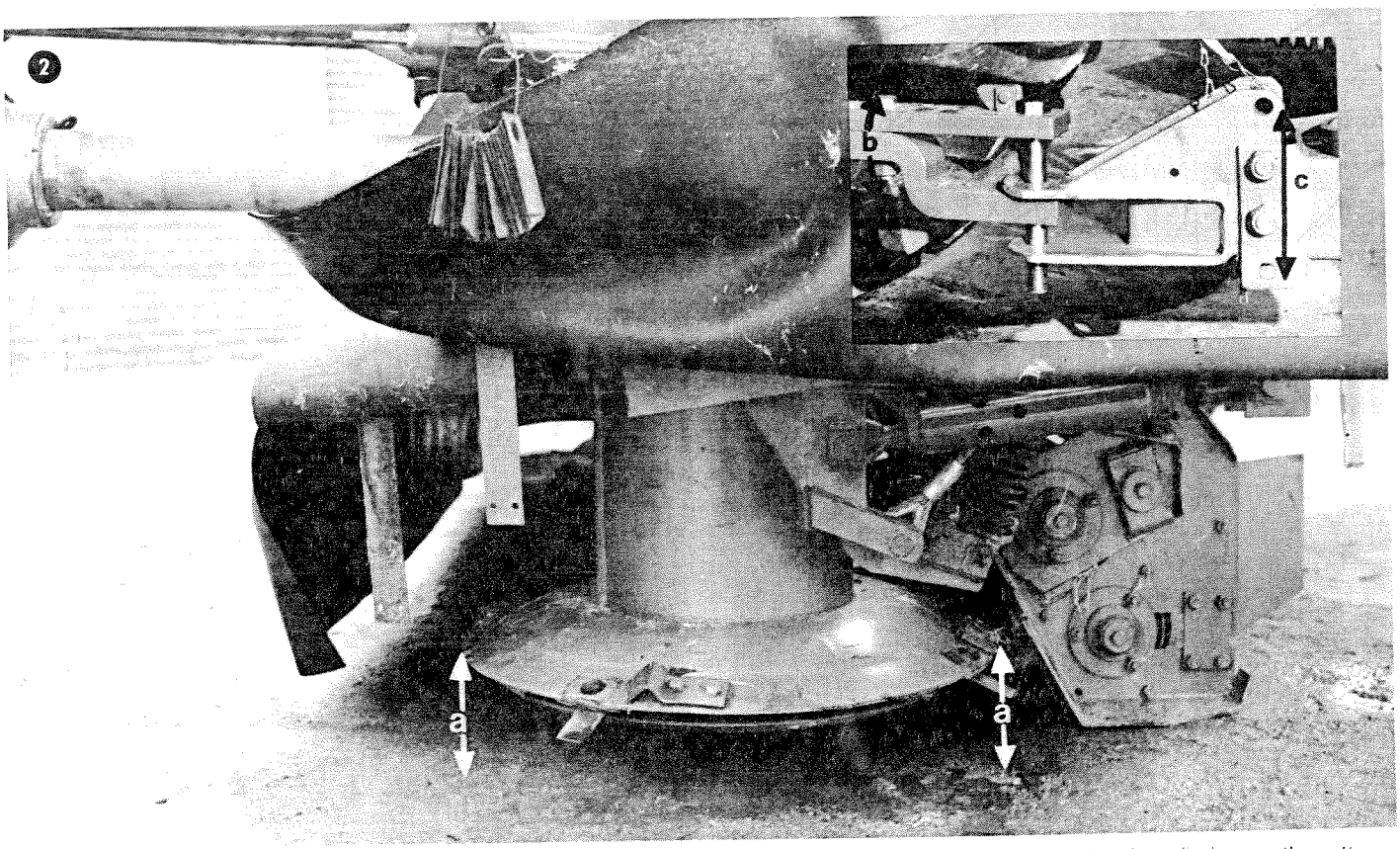




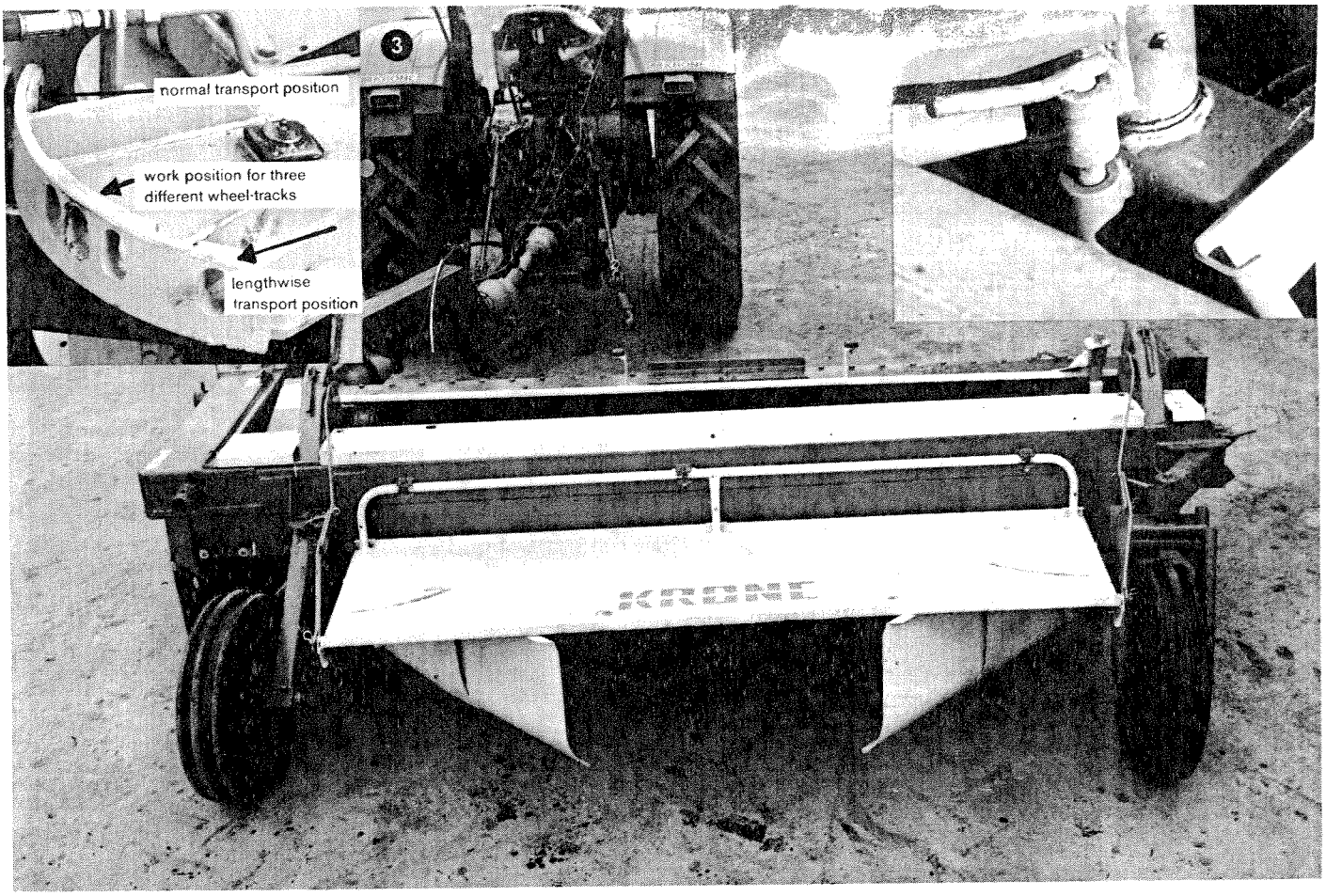




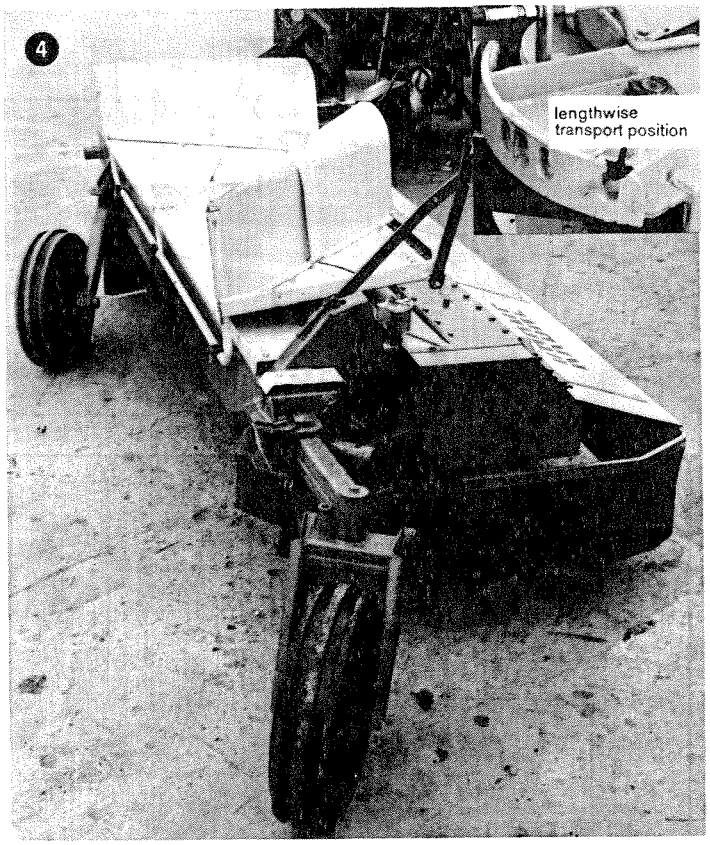
Lock the draw bar of the tractor in the central position to prevent swinging to the side, and adjust to the length indicated (see sketch). Hook mower onto tractor, then attach drive shaft and hydraulic line. Use chain (a) to lock drive shaft protective pipe to keep it from turning. The length of the hydraulic line should be adjusted so that it cannot break or get caught on curves. When the mower is installed on the tractor cross-beam, use a longer drive shaft and block the lower steering gear.

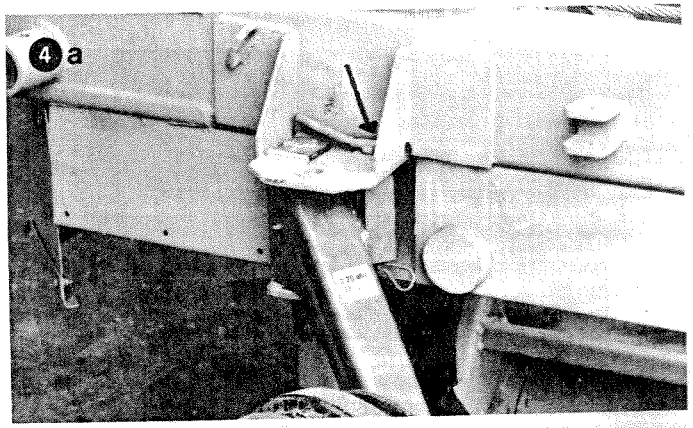


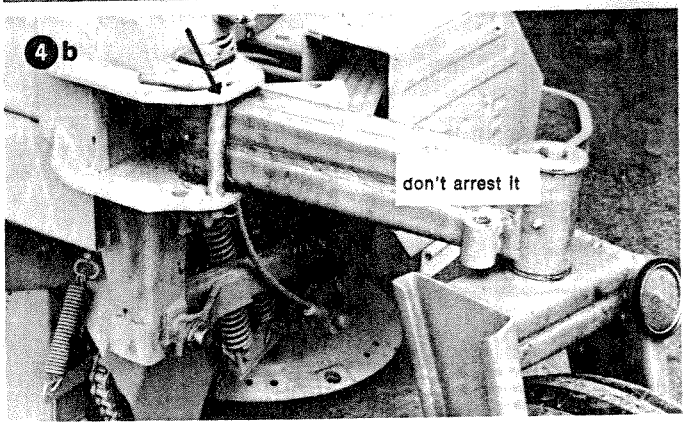
Adjust hitch opening (three different adjustment positions) or draw bar (two different adjustment positions) so that the cylinders on the cutter bar are perpendicular to the ground. The distance from the front of the cylinder to the ground (a) should be equal to the distance from the rear of the cylinder to the ground (a). Note : b is the height adjustment for the hitch socket, c is the height adjustment of the draw bar.



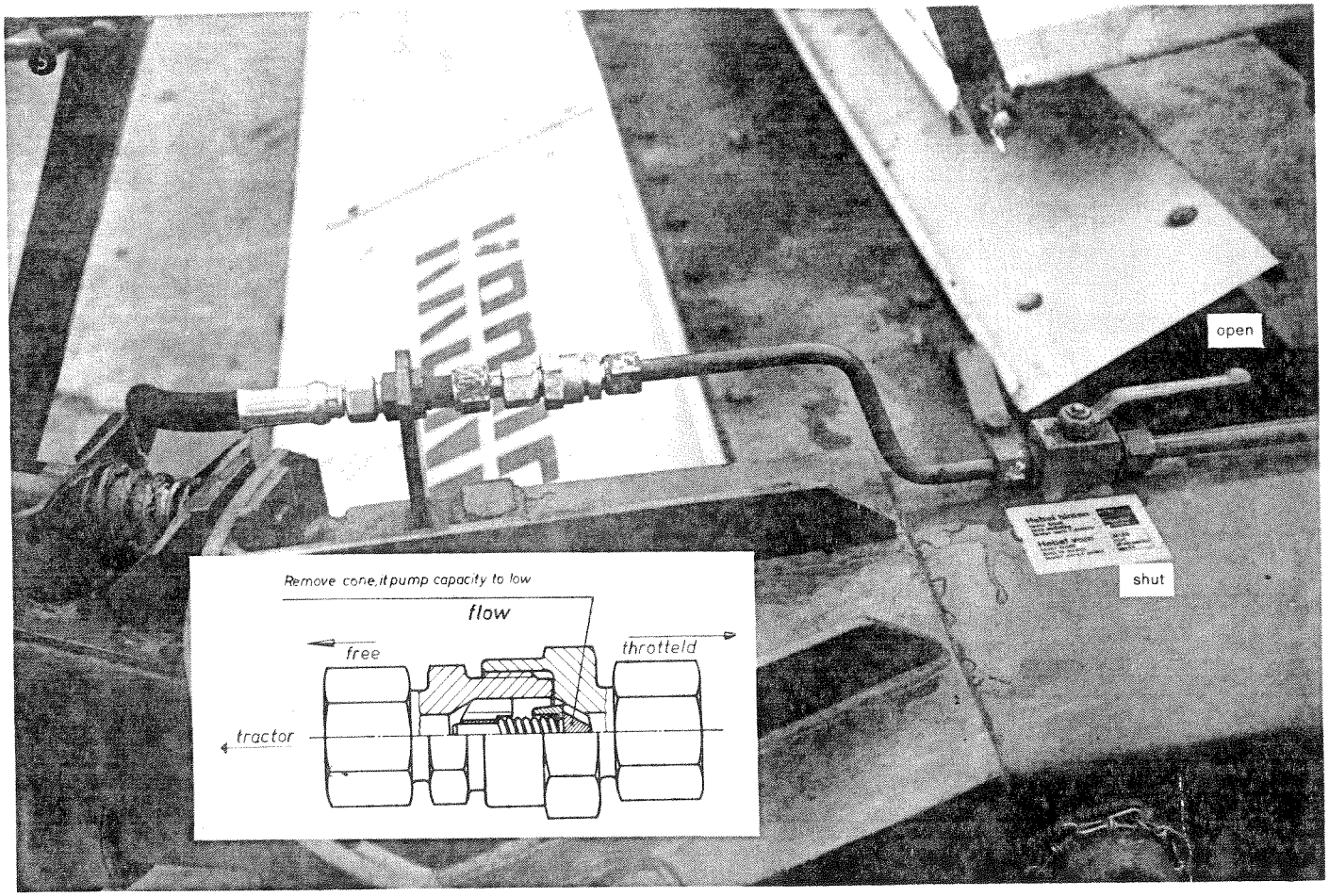
Machine in normal transport position. In either working position or transport position, both wheels must be locked.



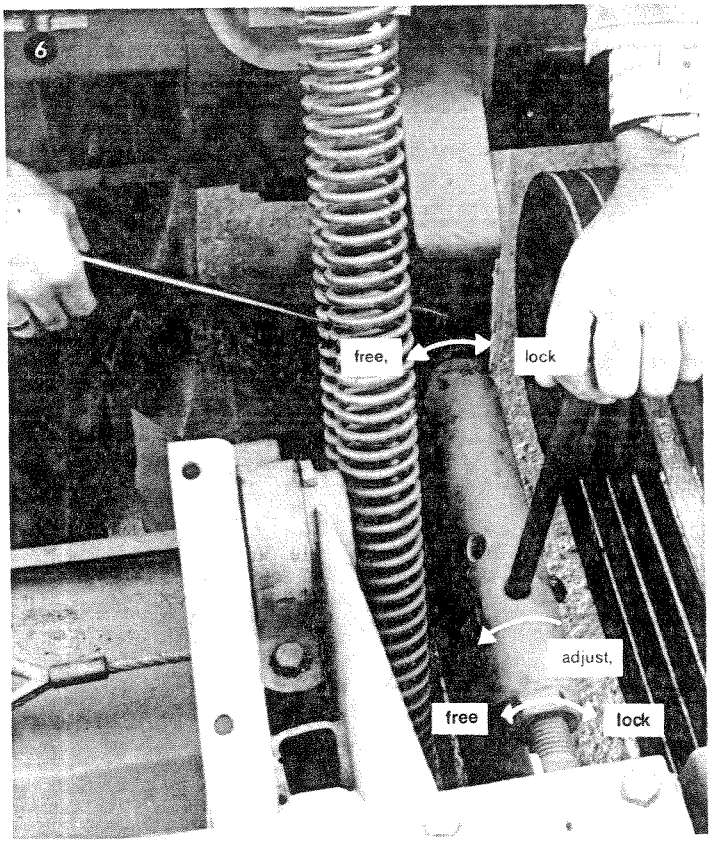


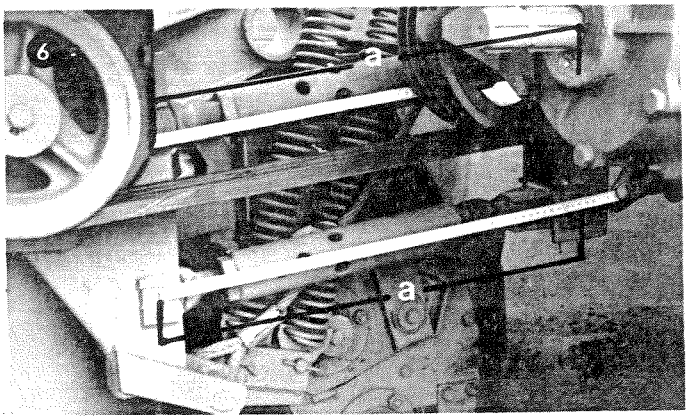


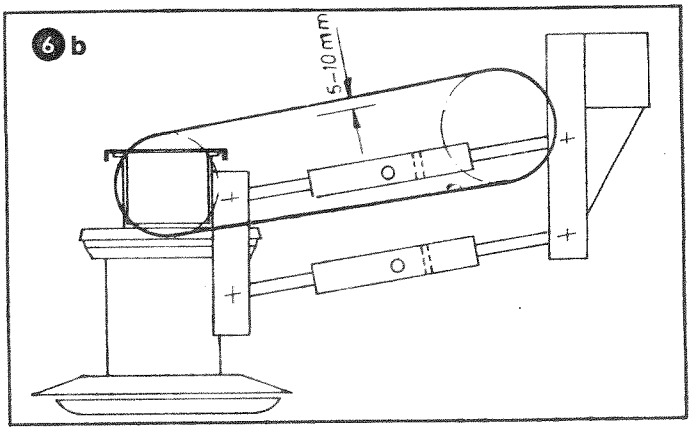
Before swinging the tongue into different positions, the cutter bar should be lowered and the tongue moved by rocking it back and forth. Use the jack in order to change the wheels into their transport or lengthwise transport positions. For travel in the lengthwise towing position, the swath hood should be folded over toward the mower, the left wheel (4a) should be locked, the suspension arm of the right wheel (4b) should also be locked; the fork of the wheel must turn freely.



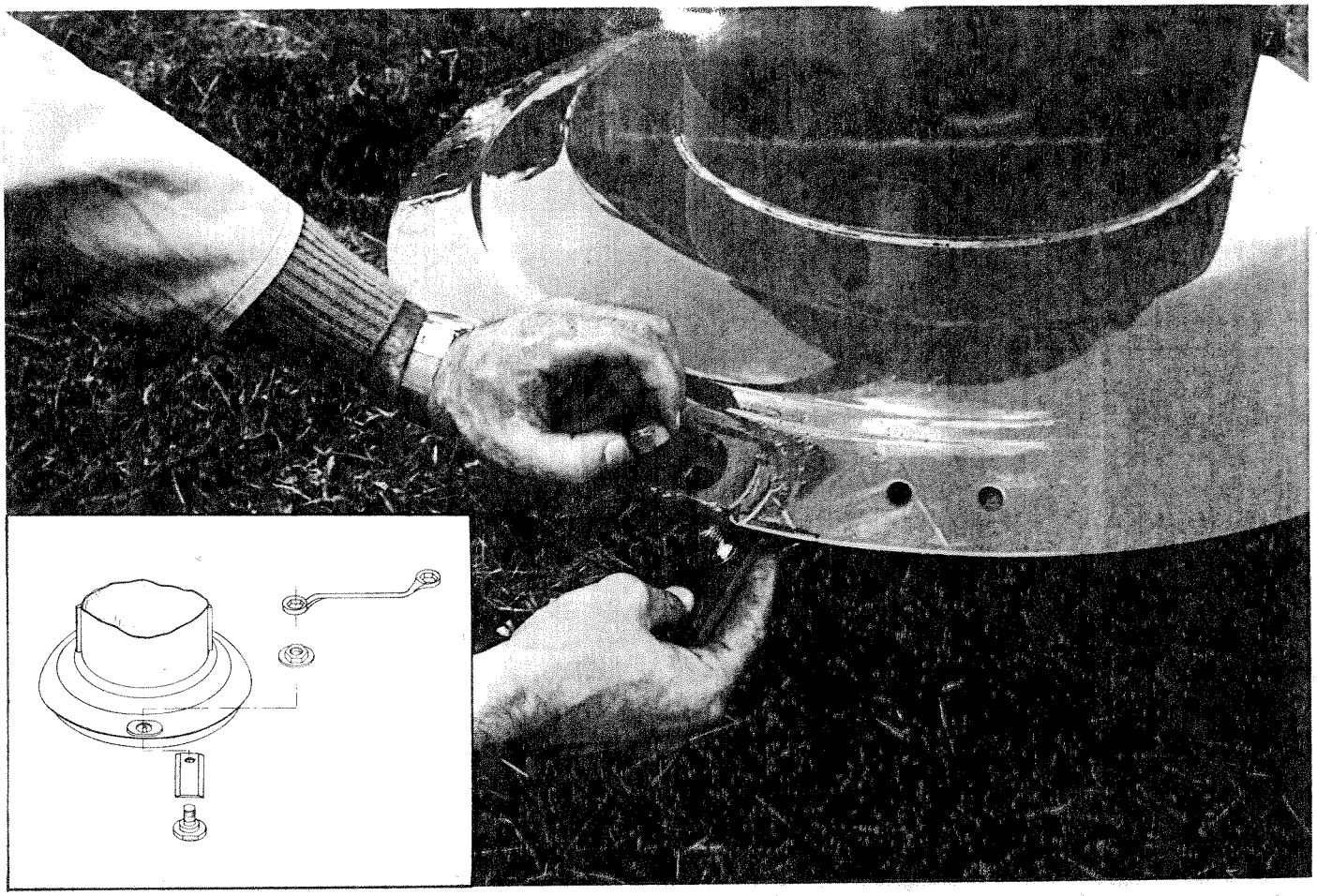
For travel or parking, the cutter bar is held in place by turning the cut-off valve to a crosswise position. In case of too slow lifting of the cutter bar, the cone should be removed from the throttle valve. (See drawing.)



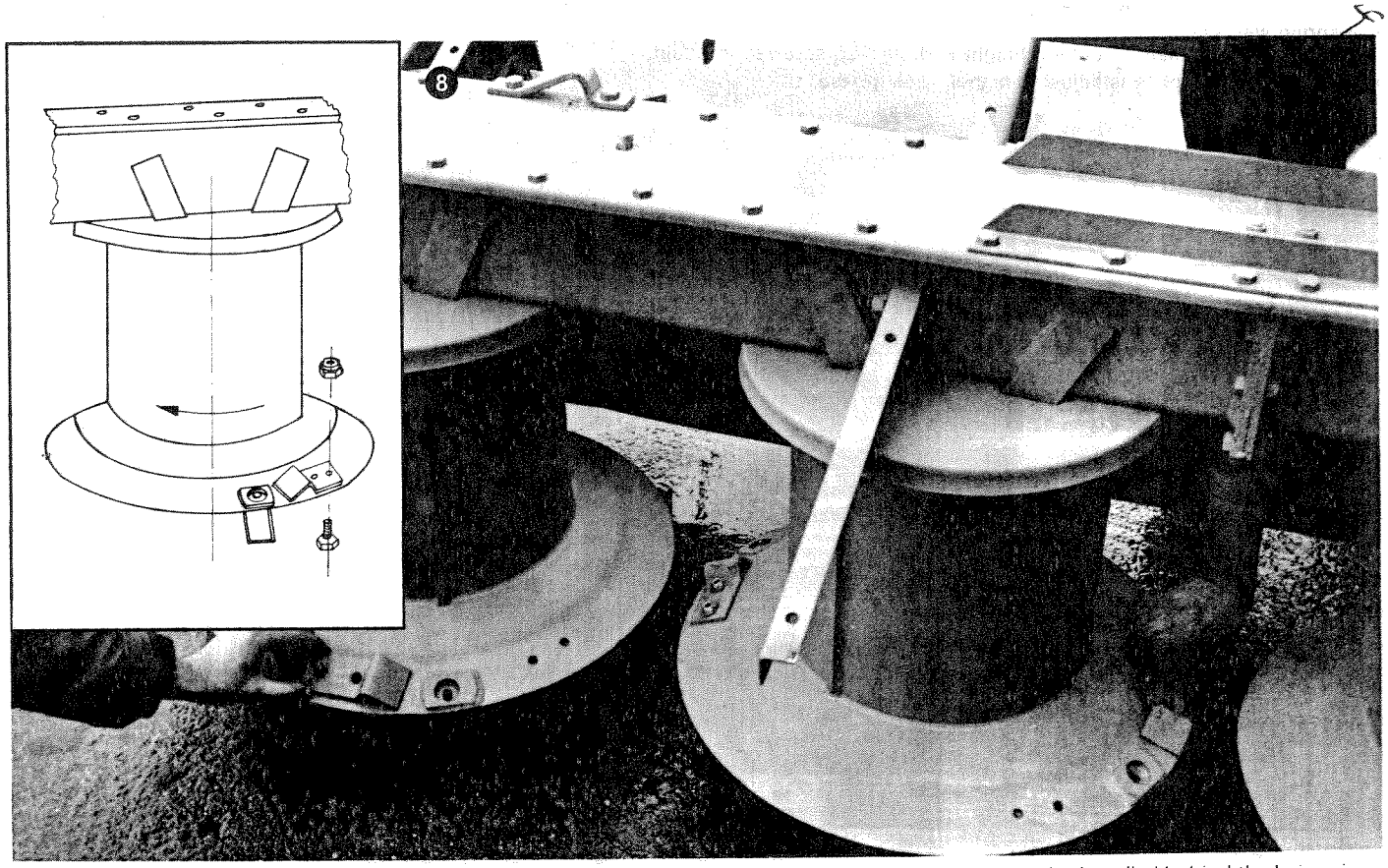




Use the two turnbuckles to equalize the tension on the V-belts, then lock them with lock nuts. **The upper control arm length (a) must be equal to the lower control arm length (a).** Distance (a) is equal to the center-to-center distance between pivot bolts. The tensioned V-belts should have about 5-8 mm. (about 1/4 inch) play. In no case should the control arm be used to adjust the cutting height or to lift the cutter bar.



Install the knives underneath the protective plates. The screw goes down, the knife nut, up. **Tighten carefully and always install all knives for each cylinder,** to avoid danger and damage to the mowing machine due to imbalance. **Worn or damaged knives should be replaced immediately with genuine KRONE knives.**



Crop lifters are necessary only if the crop is not being taken up by the conditioner. The crop lifters are to be installed behind the knives in their cutting direction, with the bump pointing toward the knife. **Crop lifters are to be installed only in pairs. Tighten the holding screws.** Lost knives or crop lifters must be replaced immediately with new ones, to prevent great damage caused by imbalance.

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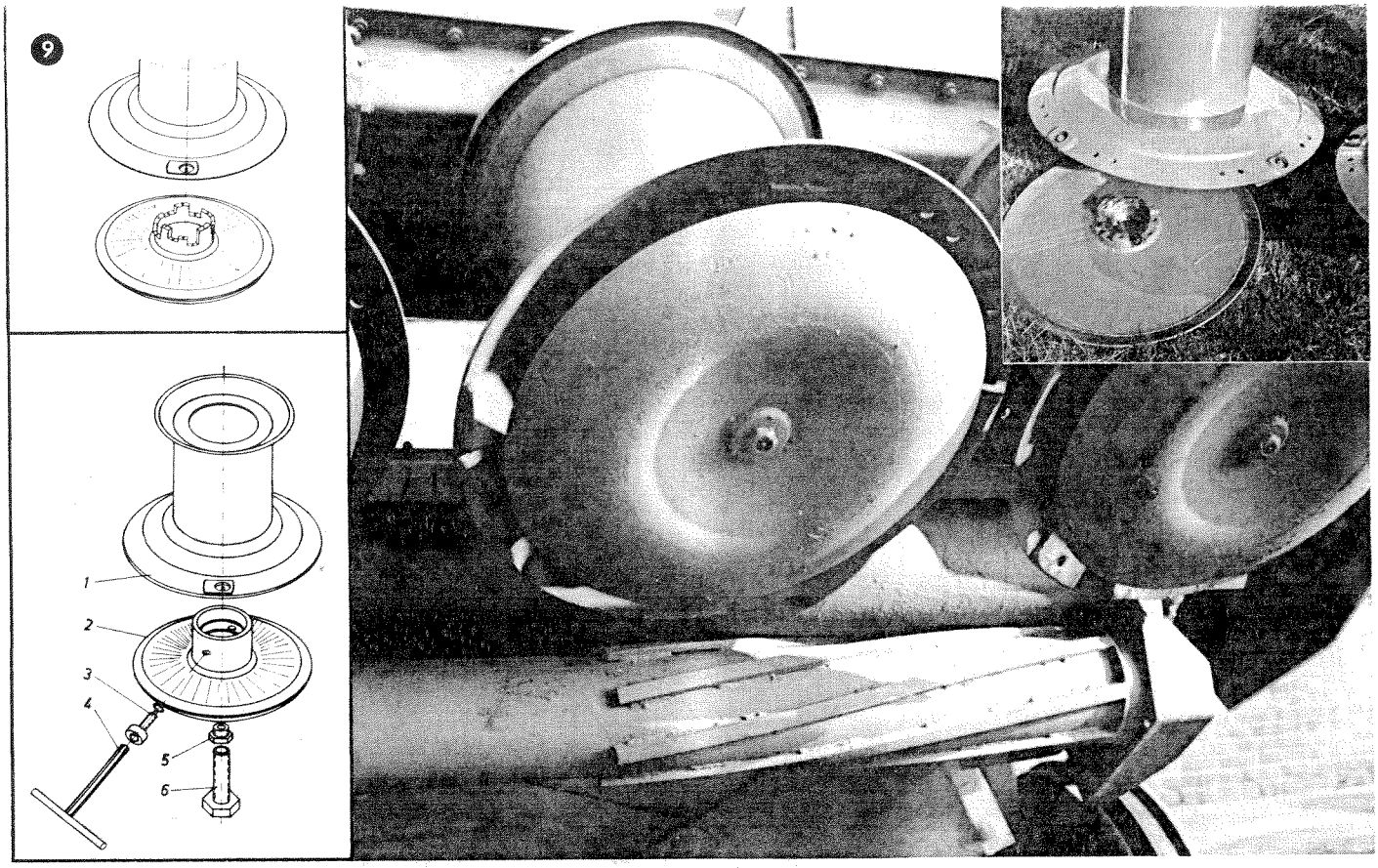

The cutting height may be changed by changing the support plates (40, 60 and 80 mm high support plates). Using the 8 mm. wrench (4) loosen the locking bolts (3) on both sides. Remove support plate with two mounting levers. If the support plate is too tight, remove set screw (5) and loosen the support plates by means of a removal screw (6) M 20, about 3" (70 mm.) long. To install support plates, reserve the procedure.

Loosen the three cylinder screws and spring washer at each saucer by means of the 8 mm allen wrench at height adjustable saucers. Remove saucer manually or by means of the mounting lever and readjust to requested cutting height. Put in cylinder screw M 10 x 55 **with spring washer** and tighten. The bolt M 20 (part no. 1374-36-32) in the centre underneath the saucer must be removed through the saucer at adjustment of cutting height and then be screwed in again.

Important: If cutting plate is adjusted higher, refill grease.

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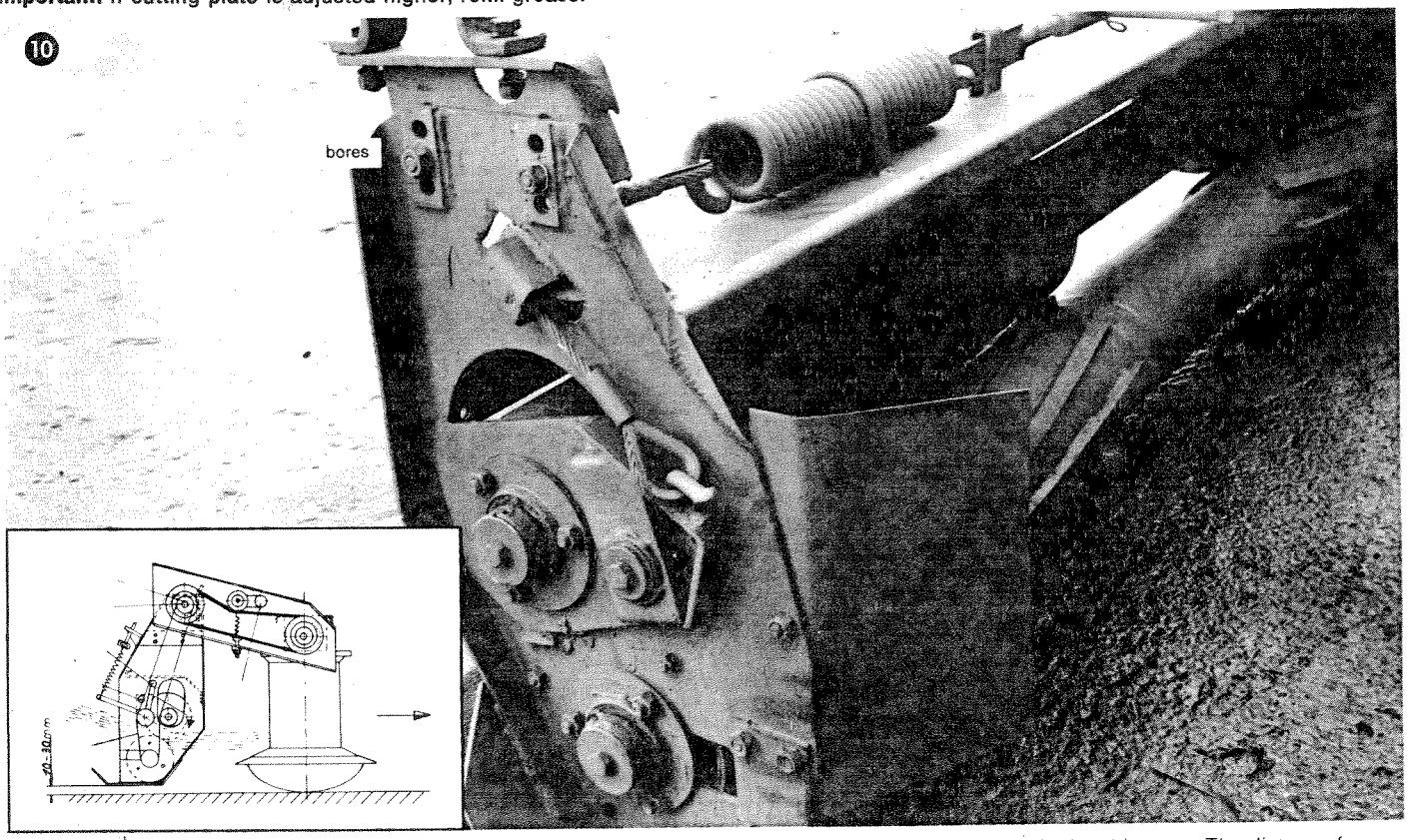
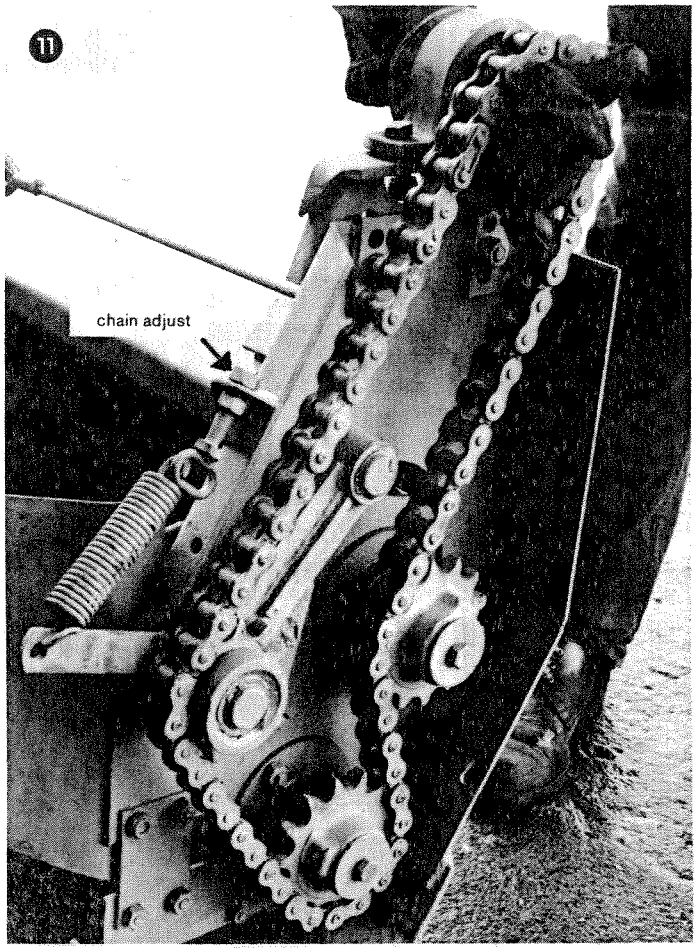
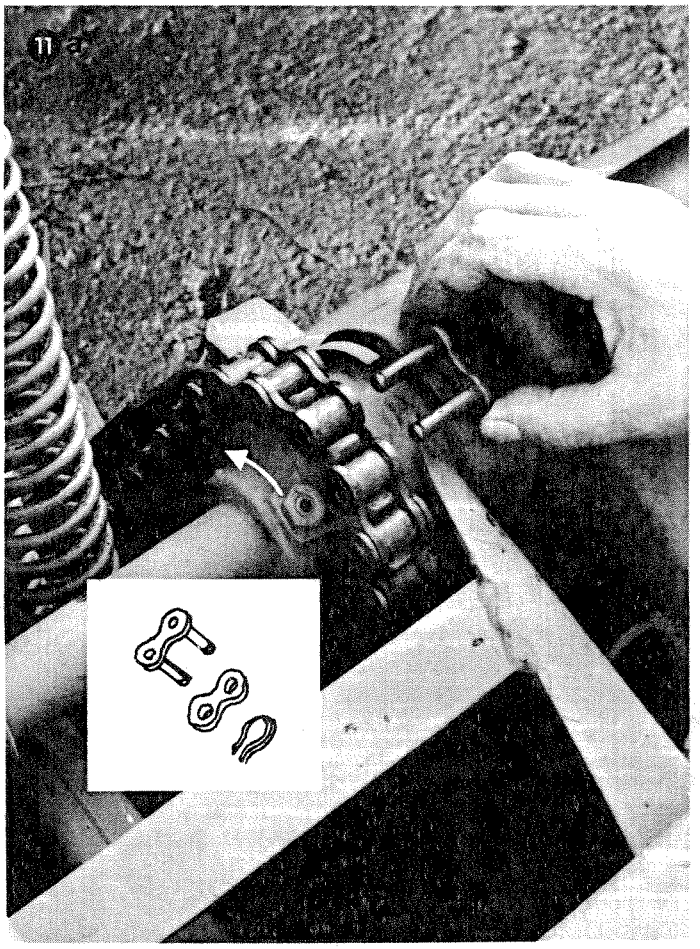
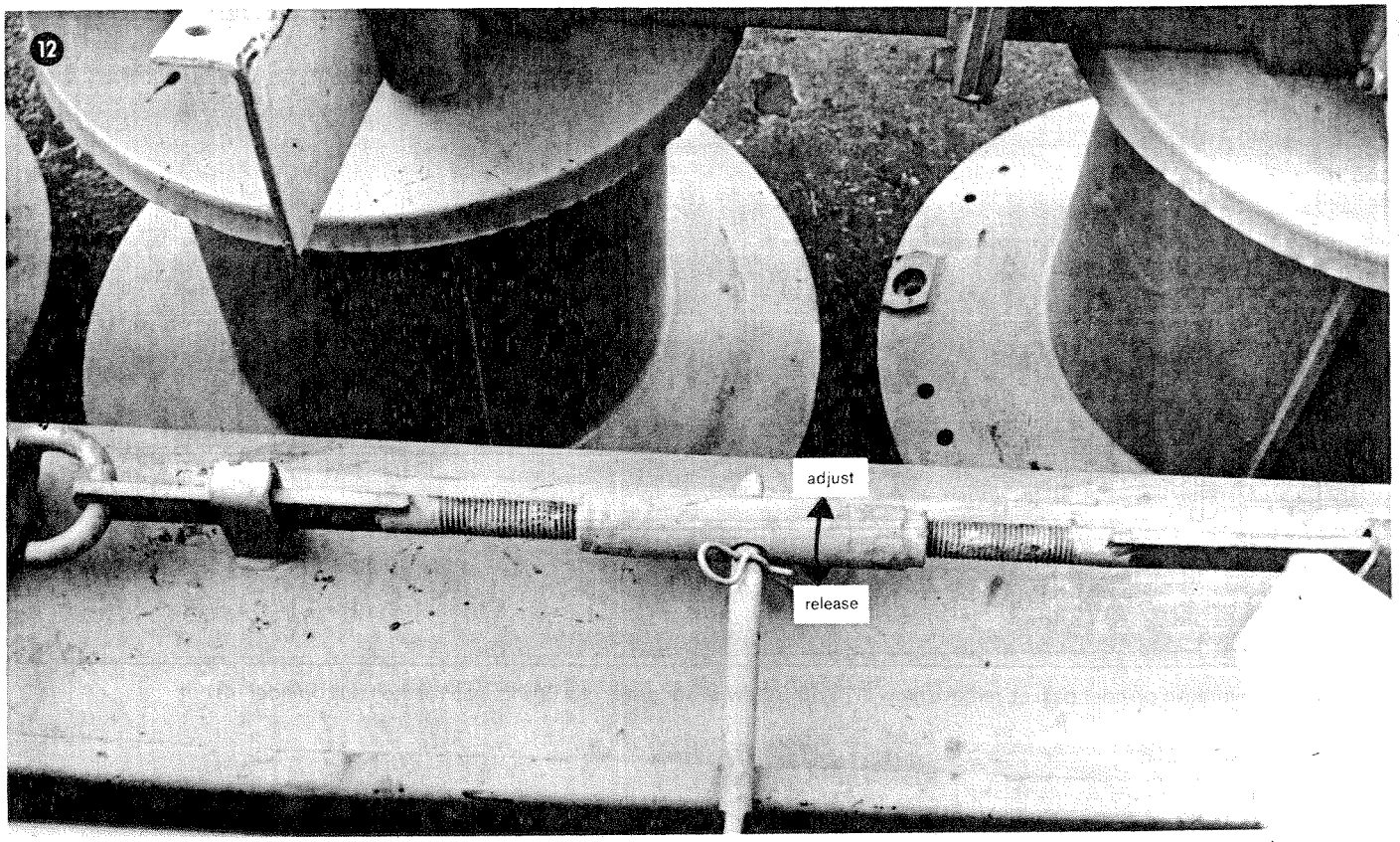


When cutting height is changed, the height of the conditioner should be changed by means of the holes in the side parts. The distance from the ground to the conditioner skids should be at least 2 cm. (13/16").

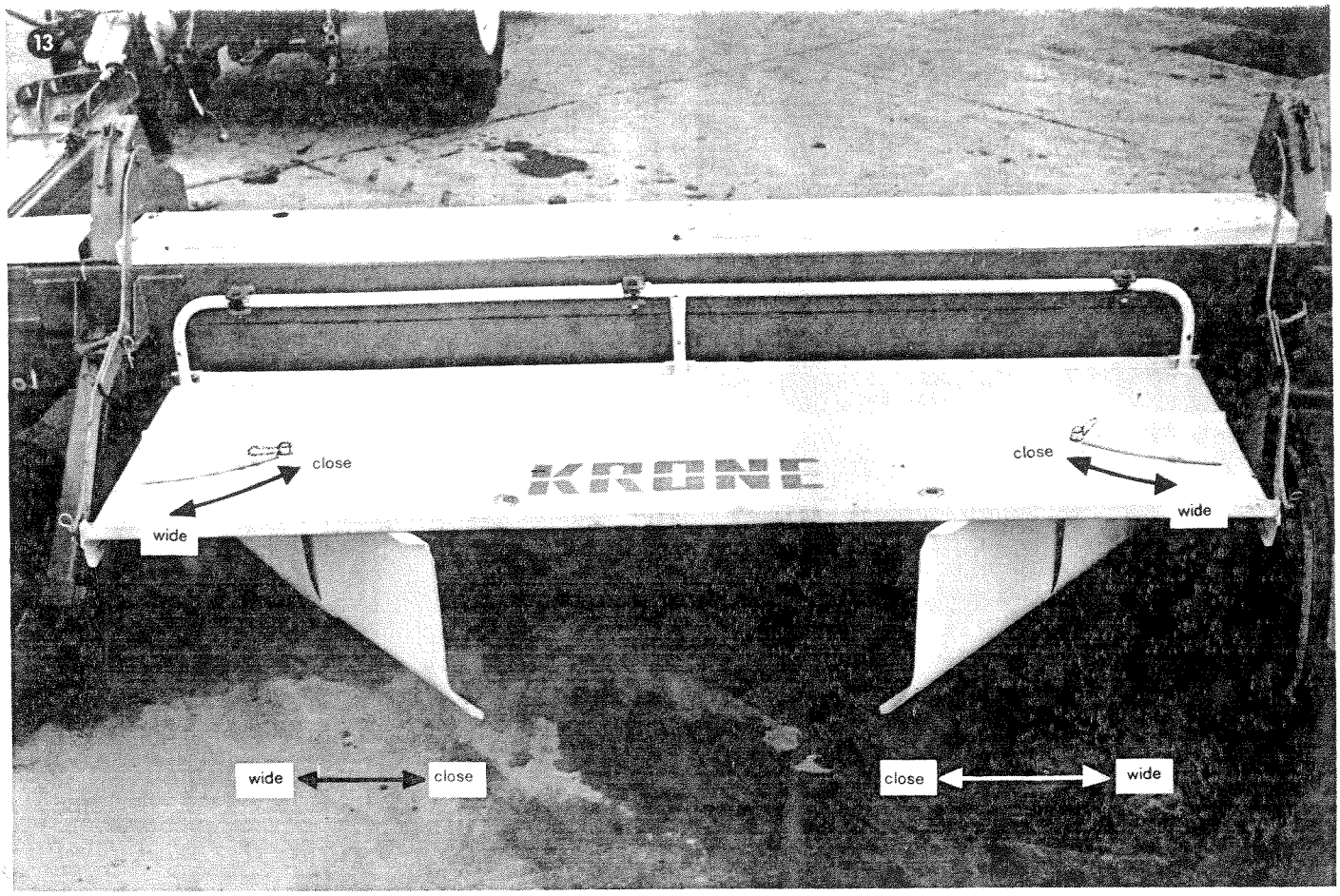




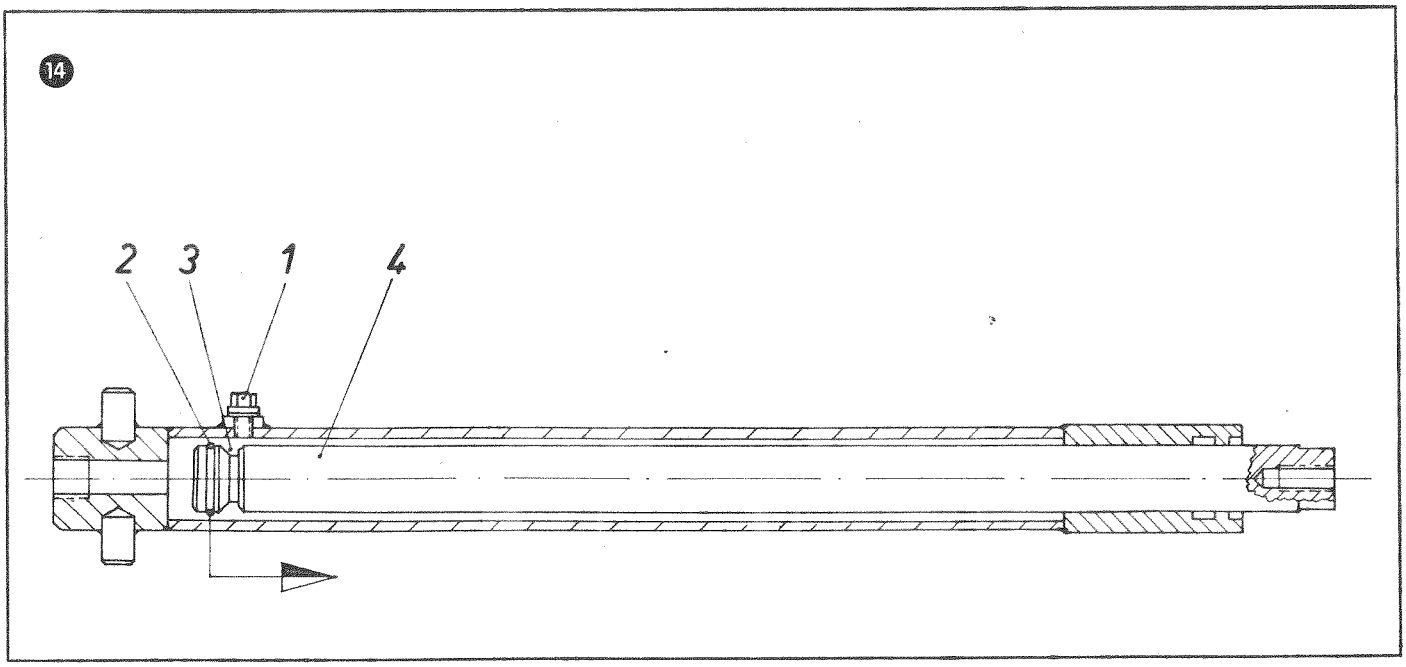
Use the adjustment screw (see picture) to tension the conditioner chain. The chain lock should be installed as shown, in order to prevent the chain from loosening itself.



The pressure of the upper conditioner roll can be adjusted by means of the spindle. The pressure is to be adjusted according to the crop being mowed; it should only be high enough to break the stalk. For crops with soft stalks, use lower pressure; for harder stalks, higher pressure. Keep pressure down in order not to waste driving power.

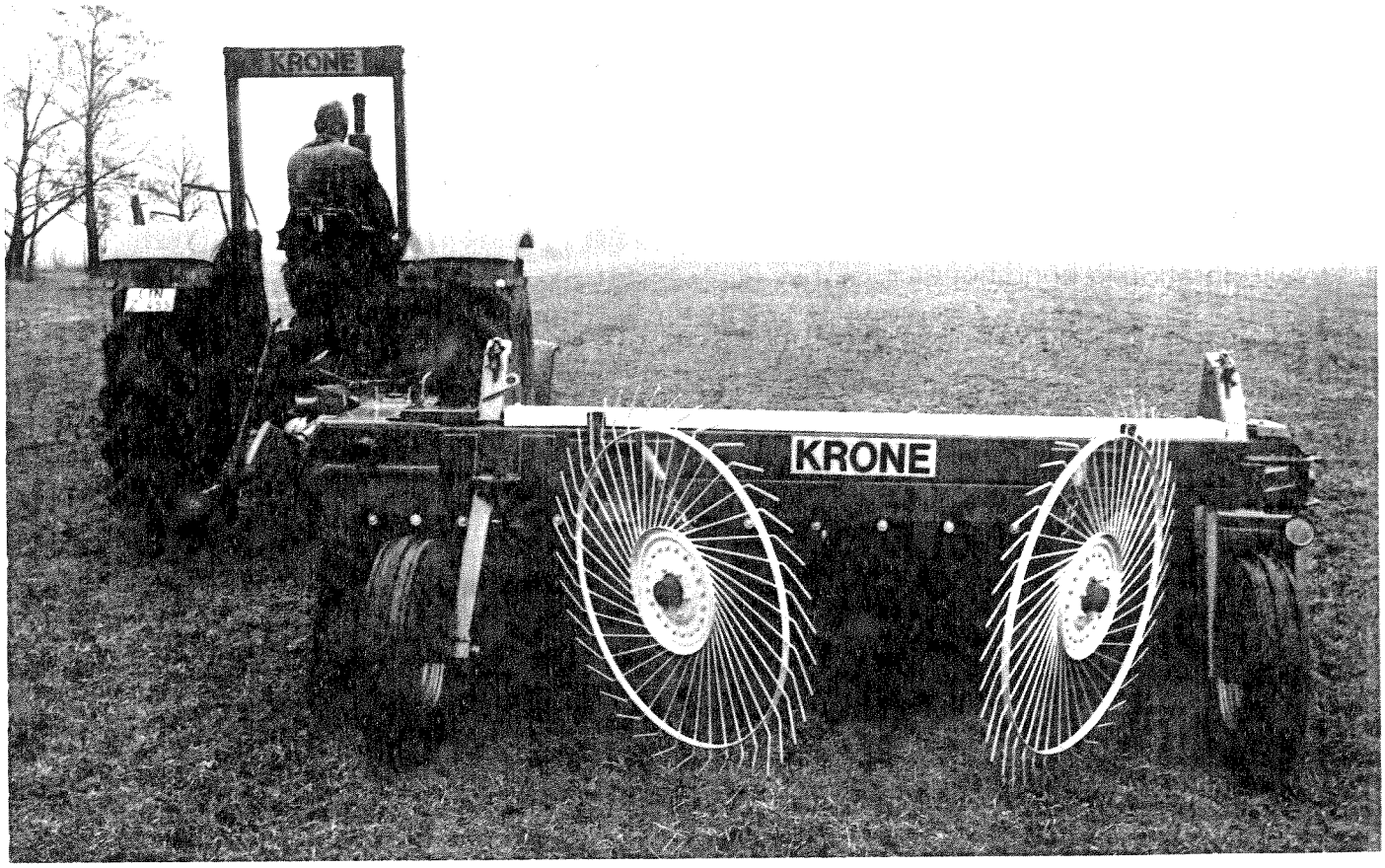


Adjust swath plates to obtain as clear a swath as possible.

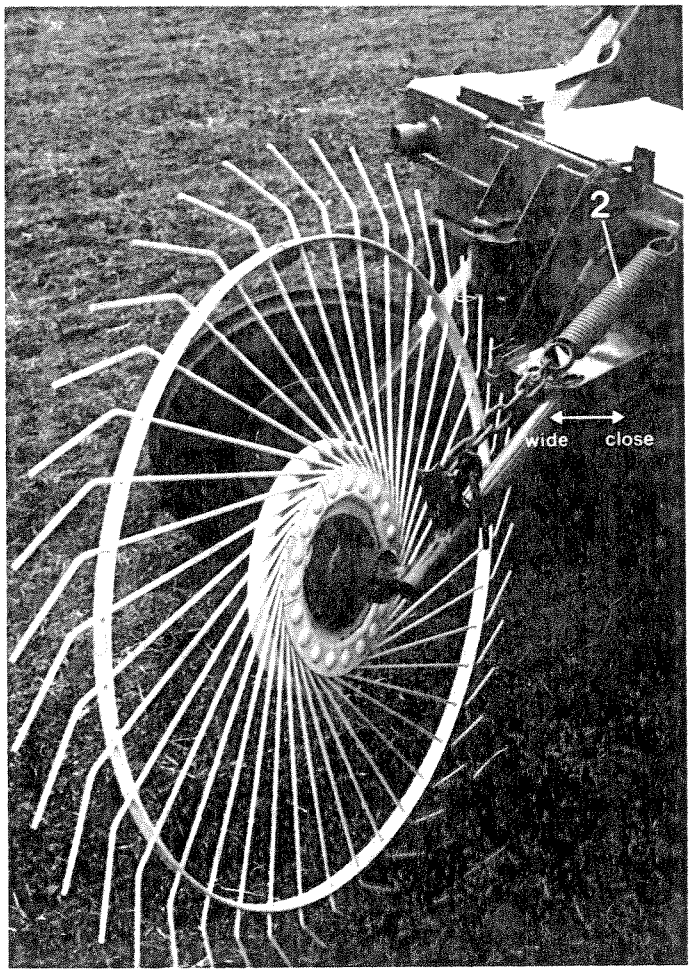


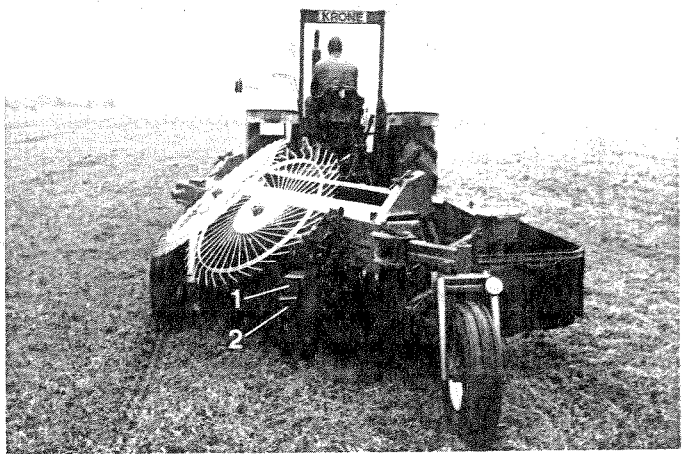
To change the hydraulic cylinder gasket, remove srew (1). With screw-driver press clip (2) into gap (3) then pull cylinder (4) out.

Single swath attachment with spider wheels.



Working position





Transport position
1. Adjust swath board to the ground at cutting height adjustment.
2. Guide plate for precision adjustment must be direct to the ground.

1. Regulation of the swath width.
2. Adjust spring so that spider wheel is not too close to the ground.

Trouble Shooting

1. Machine vibrates badly –

   Check: Are all knives and, if applicable, crop lifters on the cylinders? Are the knives bent?

   Remedy: Replace knives, straighten bent parts, replace damaged cylinders quickly.

2. Heavy vibration in conditioner –

   Check: Isn't there a clearance of 1/2 to 1 mm. between the steel roll and the rubber roll? Is one of the rolls bent?

   Remedy: Set stops on the side plates higher. **The rolls may not touch each other.** Bent rolls should be straightened on a lathe and checked for roundness (if necessary, balanced).

3. Drive chain on the conditioner is very loud and shows damage –

   Check: Are all sprockets aligned?

   Remedy: Align sprockets and fasten tightly to their shafts. Check drop oiler.

4. Slippage of the V-belts –

   Check: Are both the control arms the same length?

   Remedy: V-belts must have the same tension in working position and travel position of the cutter bar.

5. The conditioner does not pick up all the crop –

   Check: Conditioner position.

   Remedy: Place conditioner in its closest possible position. Install crop shovels. (However, keep the conditioner position as high as possible, in order to avoid picking up foreign objects). If you adjust cutting height the conditioner are fitting.

6. Binding of the cutting knives –

   Check: Whether knives move freely.

   Remedy: Move into the crop only at full RPM; lower cutter bar to working position only at full RPM.

7. Another cutting height desired - install other mounting plates. Other cutting height by means of height adjustable saucers, otherwise mount other saucers.

8. Striping –

   Remedy: Mow as low as possible. Keep machine at full RPM. Install new knives. Mount cranked blades only at the two central cylinders (blade left - and right hand).

9. Machine runs crooked –

Remedy: Don't swing the draw bar out as far. Take pressure off the cutter bar by means of the suspension springs.

10. Heavy wear on support plates –

Remedy: Take more pressure off the cutter bar by means of the suspension springs.

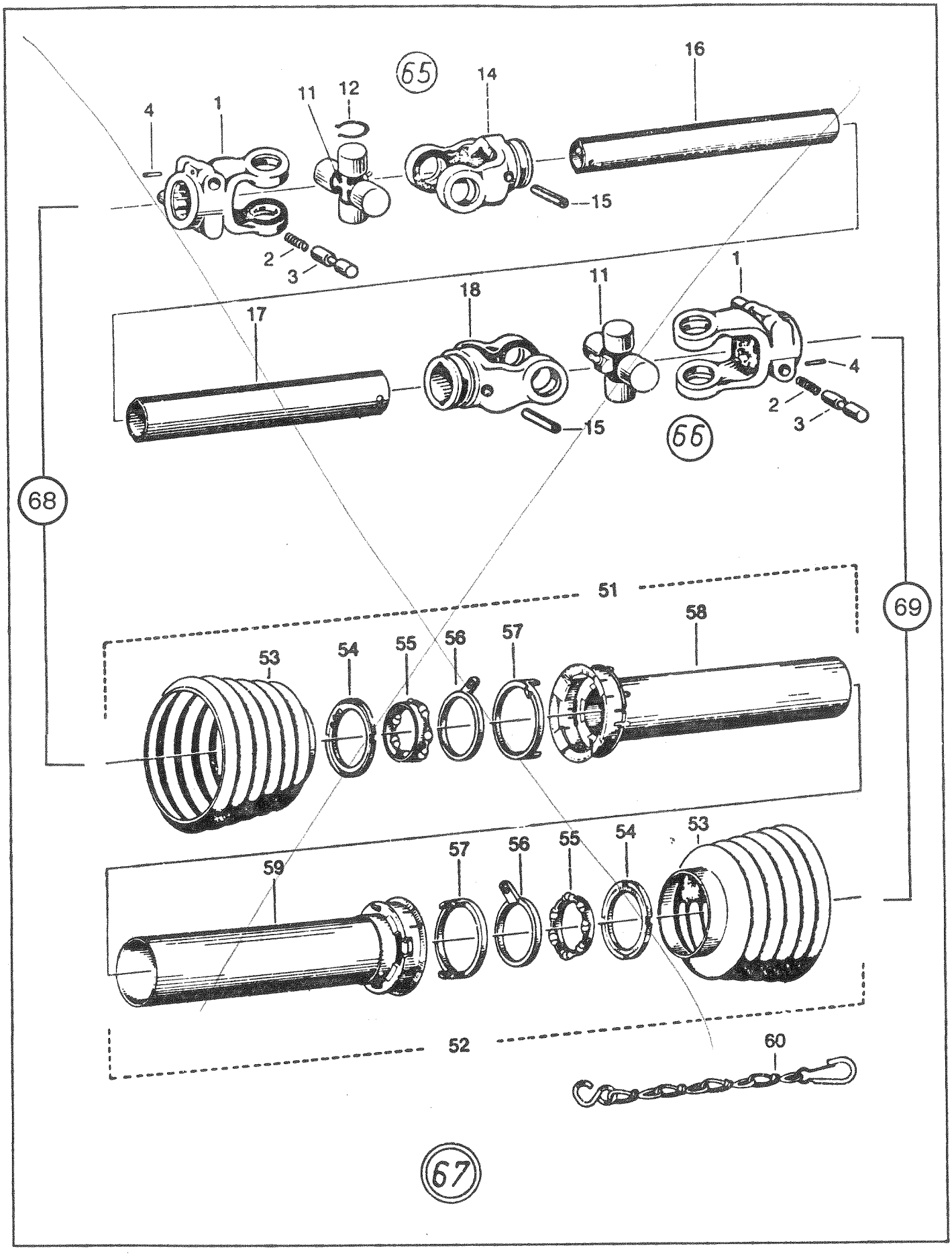
11. Heavy wear on knives and cylinders (especially in stony conditions) –

Remedy: Choose another cutting height (install the higher support plates, 60 mm. or 80 mm.), or adjustment of cutting height by means of adjustable saucers.

Gelenkwelle-Antrieb WII; UC 22; 900 M-M für Ackerschienen-Anhängung

P.t.o. shaft WII – UC 22; 900 M-M. For drawbar

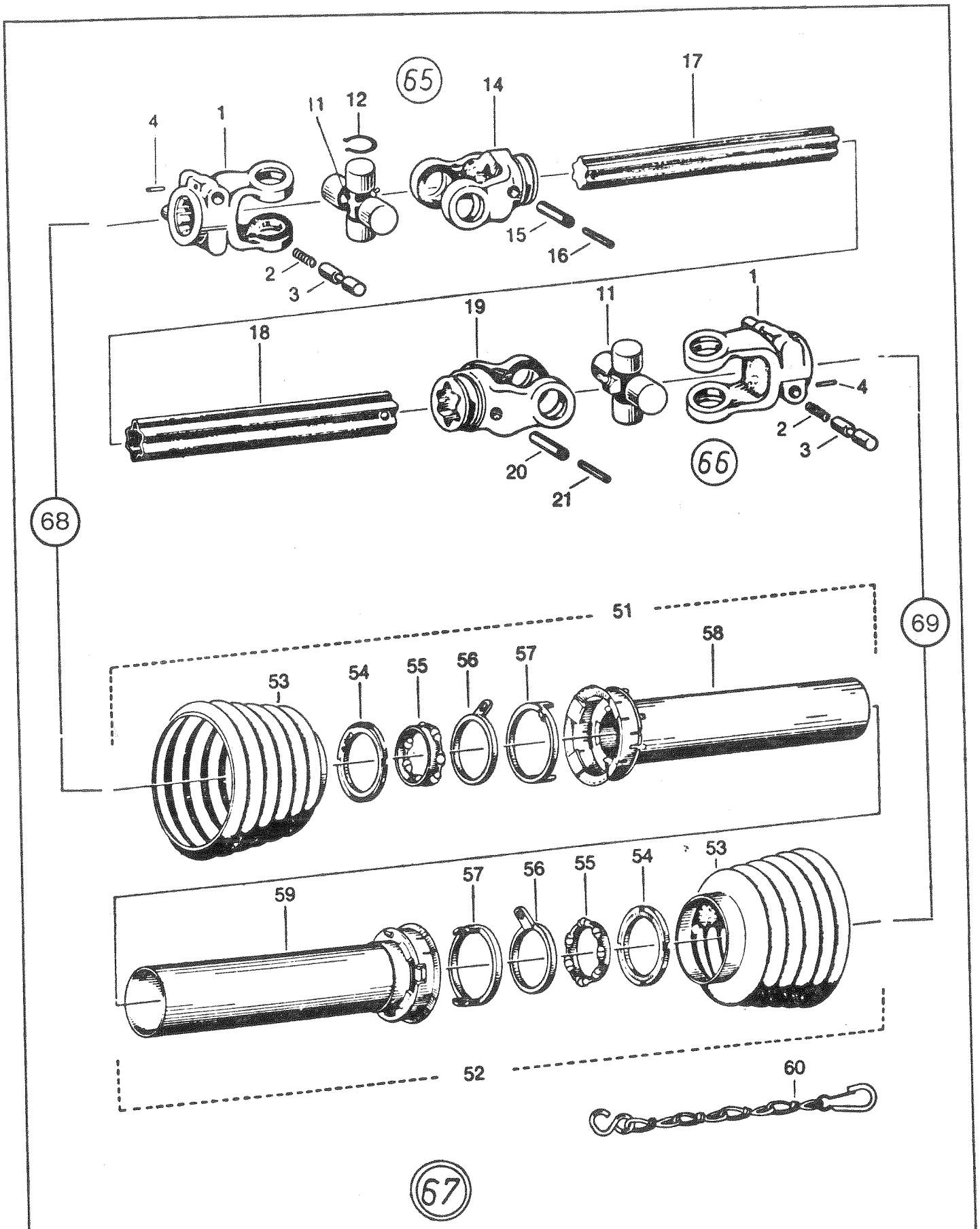
TM 4/270 + TM 4/330



Gelenkwelle-Antrieb WII; UC 22; 900 M für Ackerschienen-Anhängung
P.t.o. shaft WII – UC 22; 900 M-M. For drawbar TM 4/270 + TM 4/330

Abb. Ill.	Teile-Nr. Part No.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	12.10.00	Aufsteckgabel mit KNP 1 3/8" DIN 9611 A komplett mit zwei Schiebestiften	Quick release yoke 1 3/8" cpl. with 2 sliding bolts	1471-14a-1
2	66.01.00	Druckfeder	Spring	17-2
3	65.01.00	Schiebestift	Sliding bolt	17-3
4	61.02.00	Spannhülse 4 x 20 DIN 1481	Tension pin 4 x 20 DIN 1481	17-4
11	12.00.00	Kreuzgarnitur komplett mit Schmiernippel und 4 Sicherungsringen	Unit pack complete	147-15-11
12	12.00.50	Sicherungsring	Circlip	147-15-12
14	12.38.00	Rillengabel mit Spannhülsenbohrung für Profilrohr 1b GA und Unfallschutz	Yoke with groove and hole for profile Tube 1b GA and guard	147-15-14
15	61.05.03	Spannhülse 10 x 75 DIN 1481	Tension pin 10 x 75 DIN 1481	147-15-15
16	75.25.95	Profilrohr 1b GA mit Spannhülsenbohrung; Länge: 775 mm	Profile tube 1b GA with hole for pin; length 775 mm	1472-13-16
17	75.36.15	Profilrohr 2a G mit Spannhülsenbohrung; Länge: 760 mm	Profile tube 2a G with hole for pin; length: 760 mm	1472-13-17
18	12.39.00	Rillengabel mit Spannhülsenbohrung für Profilrohr 2a G und Unfallschutz	Yoke with groove and hole for profile tube 2a G and guard	147-15-18
51	82.123	Innere Schutzhälfte komplett. Rohrlänge und Schutztrichter-Bestell-Nr. angeben	Inner guard tube complete, state and order no. of the cape	1472-13-51
52	82.124	Äußere Schutzhälfte komplett. Rohrlänge und Schutztrichter-Bestell-Nr. angeben	Outer guard tube complete, state length and order no. of the cape	1472-13-52
53	84.10.08	Schutztrichter	Cape	1472-14a-53
54	82.83.00	Nutenring	Ring with notches	147-13-55
55	82.86.01	Kugelhaltering komplett mit Kugeln	Ball retainer complete with balls	147-13-56
56	82.83.02	Haltering	Ring with eye	147-13-57
57	82.83.01	Schiebering	Push-in ring	147-13-58
58	80.38.02	Innenschutzrohr mit Kappe; Rohrlänge: 705 mm	Inner guard tube with collar; length: 705 mm	1472-13-59
59	80.39.02	Außenschutzrohr mit Kappe; Rohrlänge: 705 mm	Outer guard tube with collar; length: 705 mm	1472-13-60
60	82.36.03	Haltekette	Chain	162-64-61
(65)		Kreuzgelenk für Profilrohr 1b GA Bild Nr. 1; 2; 3; 4; 11; 12; 14	Universal joint for profile tube 1b GA illustr. 1. 2. 3. 4. 11. 12. 14	1472-13-65
(66)		Kreuzgelenk für Profilrohr 2a G Bild-Nr. 1; 2; 3; 4; 11; 18	Universal joint for profile tube 2a G illustr. 1. 2. 3. 4. 11. 18	1472-13-66
(67)		Gelenkwelle komplett Bild-Nr. von 1 bis 60	P.t.o. shaft complete illustr. from 1 including 60	1472-13-67
(68)		Gelenkwellenhälfte kpl. (Innenrohr) Pos. 1-4; 11; 12; 14-16; 53-58	P.t.o. shaft cpl. (inner tube part) Pos. 1-4. 11. 12. 14-16. 53-58	1472-13-68
(69)		Gelenkwellenhälfte kpl. (Außenrohr) Pos. 1-4; 11; 15; 17; 18; 53-57; 59	P.t.o. shaft compl. (outer tube part) Pos. 1-4. 11. 15. 17. 18. 53-57. 59	1472-13-69

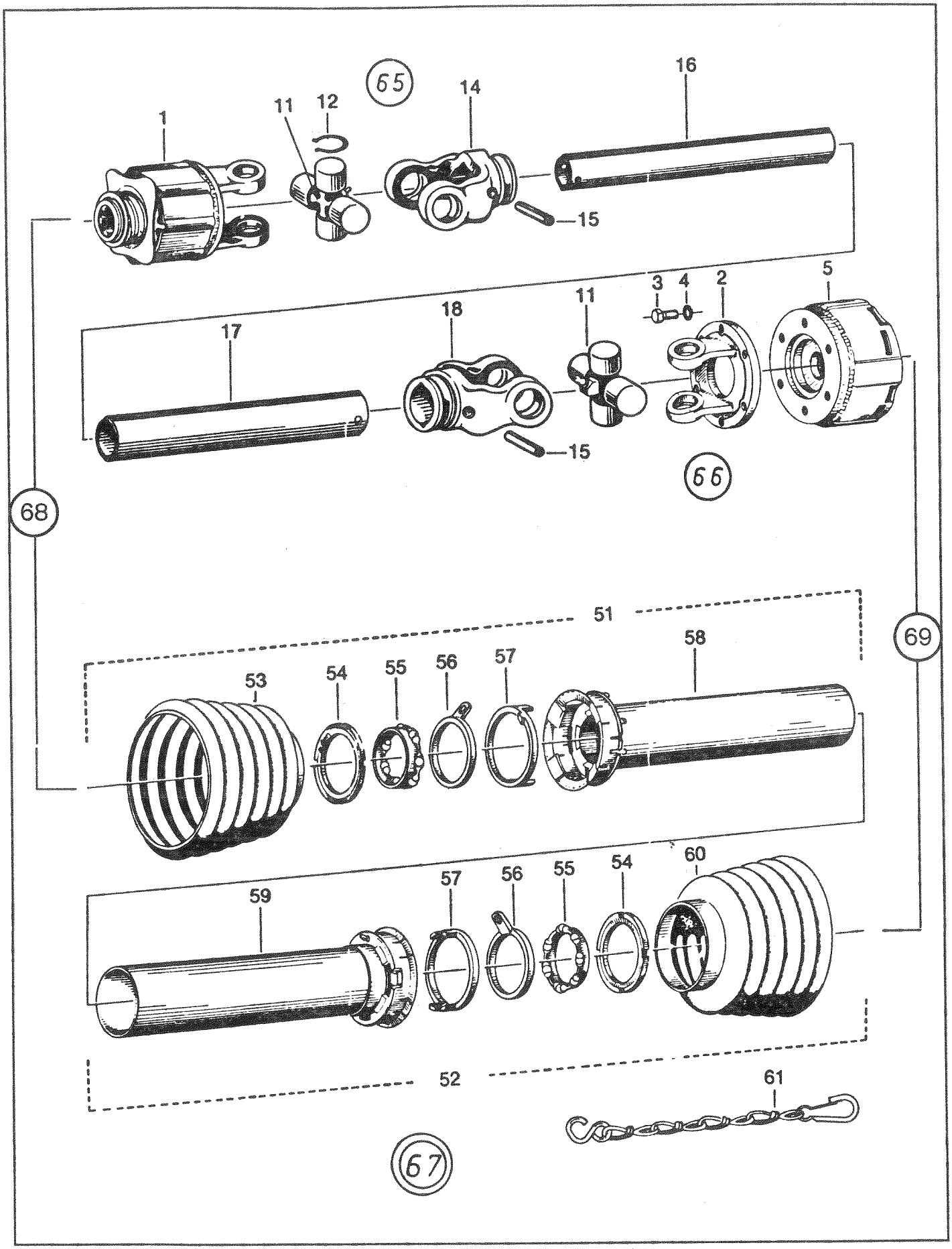
Gelenkwelle-Antrieb WII, UC 22, 500 M-M für Zugpendel-Anhängung (für Zapfwellendrenzahl 540 und 1000 U/min) - P. t. o. shaft WII, UC 22, 500 M-M for drawbar (for P. t. o. speed 540 and 1000 rpm) - TM 4/270 + TM 4/330



Gelenkwelle-Antrieb WII, UC 22, 500 ** für Zuggpendel-Anhängung (für Zapfwellendrehzahl 540 und 1000 U/min) - P. t. o. shaft WII, UC 22, 500 M ** iwbar (for P. t. o. speed 540 and 1000 rpm) - TM 4/270 + TM 4/330

Abb. Ill.	Teile-Nr. Part No.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	12.10.00	Aufsteckgabel 1³/₈" 6 Keile DIN 9611 A komplett mit zwei Schiebestiften (Zapfwellenanschluß 6 Keile)	Quick release yoke 1³/₈" complete 6 keys p. t. o. connection 6 keys	1471-14a-1
1b		Aufsteckgabel 1³/₈" 21 Keile DIN 9611 mit zwei Schiebestiften (für Zapfwellenanschluß 21 Keile)	Quick release yoke 1³/₈" 21 keys DIN 9611 with 2 sliding bolts (for p. t. o. connection 21 keys)	1474-14-1b
2	66.01.00	Druckfeder	Spring	17-2
3	65.01.00	Schiebestift	Sliding bolt	17-3
4	61.02.00	Spannhülse 4 x 20 DIN 1481	Tension pin 4 x 20 DIN 1481	17-4
11	12.00.00	Kreuzgarnitur kpl. mit Schmiernippel und 4 Sicherungsringen	Unit pack complete	147-15-11
12	12.00.50	Sicherungsring	Circlip	147-15-12
14	12.38.02	Innengabel für S-Welle GA mit Spannhülsenbohrung und Kugellaufrille für Gelenkwellenschutz	Inner yoke for s. shaft GA with hole for pin and bearing-groove for guard tube	1472-14a-14
15	61.05.03	Spannhülse 10 x 75 DIN 1481	Tension pin 10 x 75 DIN 1481	147-15-15
16	61.03.06	Spannhülse 6 x 75 DIN 1481	Tension pin 6 x 75 DIN 1481	1472-14a-16
17	75.44.96	S-Welle GA mit Spannhülsenbohrung; Länge 375 mm	S. shaft GA, with hole for pin length 375 mm 052503 = 440 mm	1472-14a-17
18	75.45.16	S-Rohr mit Spannhülsenbohrung; Länge 360 mm	S. tube with hole for pin, length: 360 mm 049580 = 570 mm	1472-14a-18
19	12.30.00	Innengabel für S-Rohr mit Spannhülsenbohrung und Kugellaufrille für Gelenkwellenschutz	Inner yoke for S-tube with hole for pin and bearing-groove for guard tube	1472-14a-19
20	61.05.09	Spannhülse 10 x 85 DIN 1481	Tension pin 10 x 85 DIN 1481	1472-14a-20
21	61.03.07	Spannhülse 6 x 85 DIN 1481	Tension pin 6 x 85 DIN 1481	1472-14a-21
51	82.123	Innere Schutzhälfte kpl. Rohrlänge und Schutztrichter-Bestell-Nr. angeben	Inner guard tube, cpl. state length and order no. of the cape	1472-14a-51
52	82.124	Äußere Schutzhälfte kpl. Rohrlänge und Schutztrichter-Bestell-Nr. angeben	Outer guard tube, cpl. state length and order no. of the cape	1472-14a-52
53	84.10.08	Schutztrichter	Cape	1472-14a-53
54	82.83.00	Nutenring	Ring with notches	147-13-55
55	82.86.01	Kugelhaltering kpl. mit Kugeln	Ball retainer cpl. with balls	147-13-56
56	82.83.02	Haltering	Ring with eye	147-13-57
57	82.83.01	Schiebering	Push in ring	147-13-58
58	80.38.02	Innenschutzrohr mit Kappe; Rohrlänge 295 mm	Inner guard with collar; length 295 mm	1472-14a-59
59	80.39.02	Außenschutzrohr mit Kappe; Rohrlänge 295 mm	Outer guard tube with collar; length 295 mm	1472-14a-60
60	82.36.03	Haltekette	Chain	162-64-61
(65)		Kreuzgelenk für S-Welle Abb. 1, 2, 3, 4, 11, 12, 14 (für Zapfwellenanschluß 6 Keile)	Universal joint for S-shaft illustr. 1, 2, 3, 4, 11, 12, 14 (for p. t. o. connection 6 keys)	1472-14a-65
(65b)		Kreuzgelenk für S-Welle Abb. 1b, 2, 3, 4, 11, 12, 14 (für Zapfwellenanschluß 21 Keile)	Universal joint for S-tube illustr. 1b, 2, 3, 4, 11, 12, 14 (for p. t. o. connection 21 keys)	1474-14-65b
(66)		Kreuzgelenk für S-Rohr Abb. 1, 2, 3, 4, 11, 19	Universal joint for S-tube illustr. 1, 2, 3, 4, 11, 19	1472-14a-66
(67)		Gelenkwelle kpl., Abb. 1–60 (für Zapfwellenanschluß 6 Keile)	P. t. o. shaft cpl., illustr. from no. 1 to 60 (for p. t. o. connection 6 keys)	1472-14a-67
(67b)		Gelenkwelle kpl., Abb. 1b, 2–60 (für Zapfwellenanschluß 21 Keile)	P. t. o. shaft cpl., illustr. 1b, 2–60 (for P. t. o. connection 21 keys)	1474-14-67b
(68)		Gelenkwellenhälfte kpl. (Sechskantwelle) Abb. 1–4, 11, 12, 14–17, 53–58 (für Zapfwellenanschluß 6 Keile)	P. t. o. shaft cpl. (S-shaft part) illustr. 1–4, 11, 12, 14–17, 53–58 (for p. t. o. connection 6 keys)	1472-14a-68
(68b)		Gelenkwellenhälfte kpl. (Sechskantwelle) Abb. 1b, 2–4, 11, 12, 14–17, 53–58 (für Zapfwellenanschluß 21 Keile)	P. t. o. shaft cpl. (S-tube part) illustr. 1b, 2–4, 11, 12, 14–17, 53–58) (for P. t. o. connection 21 keys)	1474-14-68b
(69)		Gelenkwellenhälfte kpl. (Sechskantrohr) Abb. 1–4, 11, 18–21, 53–57, 59	P. t. o. shaft cpl. (S-tube part) illustr. 1–4, 11, 18–21, 53–57, 59	1472-14a-69

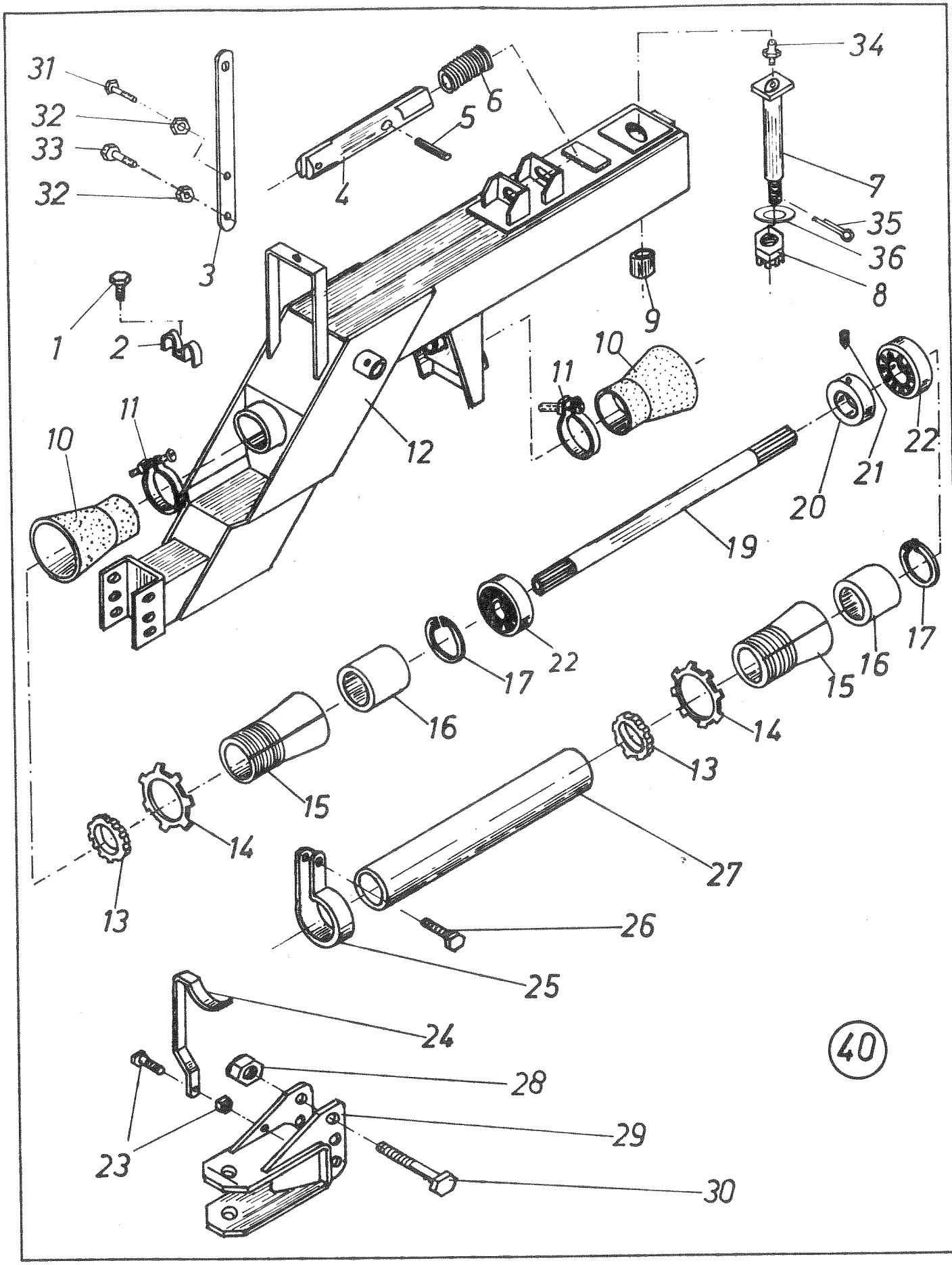
Intermediate P.t.o. shaft WII-F3-K92/4-UC 22, 800 M-M
TM 4/270 + TM 4/330



Zwischengelenkwelle; WII-F3-K92/4-UC ..2, 800 M-M
Intermediate P.t.o. shaft WII-F3-K92/4-U ..2, 800 M-M
TM 4/270 + TM 4/330

Abb. Ill.	Teile-Nr. Part No.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	56.108.02	Stiftfreilauf F3 mit KNP 1 3/8" DIN 9611 A und Ziehverschluß	Freewheel unit F3, 1 3/8" DIN 9611 A with pull type lock	147-15-1
2	55.30.02	Flanschgabel Ø 136	Flanged yoke Ø 136	147-15-2
3	60.05.05	Skt-Schraube M 10 x 25 DIN 933	Bolt M 10 x 25 DIN 933	1373-24-31
4	60.82.00	Federring A 10 DIN 127	Spring washer A 10 DIN 127	1375-16-20
5	56.134.16	Scheibenkupplung K 92/4 mit KNP 1 3/8" DIN 9611 A und Ziehverschluß; Md_E 135 kpm	Disc clutch K 92/4 1 3/8" DIN 9611 A with pull type lock	147-15-5
11	12.00.00	Kreuzgarnitur kpl. mit Schmiernippel und 4 Sicherungsringen	Unit pack complete	147-15-11
12	12.00.50	Sicherungsring	Circlip	147-15-12
14	12.38.00	Innengabel für Profil 1b GA mit Spannhülsenbohrung u. Kugellaufrille für Gelenkwellenschutz	Inner yoke for profile 1b GA with hole for pin and bearing groove guard	147-15-14
15	61.05.03	Spannhülse 10 x 75 DIN 1481	Tension pin 10 x 75 DIN 1481	147-15-15
16	75.25.95	Profil 1b GA m. Spannhülsenbohrung; Länge: 675 mm	Profile 1b GA with hole for pin; length: 675 mm	147-15-16
17	75.35.15	Profil 2a G m. Spannhülsenbohrung; Länge: 660 mm	Profile 2a G with hole for pin; length: 660 mm	147-15-17
18	12.39.00	Innengabel für Profil 2a G mit Spannhülsenbohrung und Kugellaufrille für Gelenkwellenschutz	Inner yoke for profile 2a G with hole for pin and bearing groove for guard	147-15-18
51	82.123	Innere Schutzhälfte kpl. Rohrlänge und Schutztrichter-Bestell-Nr. angeben	Inner guard tube cpl. state length and order no. of the cape	147-15-51
52	82.124	Äußere Schutzhälfte kpl. Rohrlänge und Schutztrichter-Bestell -Nr. angeben	Outer guard tube cpl. state length and order no. of the cape	147-15-52
53	84.10.09	Schutztrichter	Cape	147-15-53
54	82.83.00	Nutenring	Ring with notches	147-13-55
55	82.86.01	Kugelhaltering kpl. mit Kugeln	Ball retainer cpl. with balls	147-13-56
56	82.83.02	Haltering	Ring with eye	147-13-57
57	82.83.01	Schiebering	Push-in ring	147-13-58
58	80.38.02	Innenschutzrohr mit Kappe; Rohrlänge: 605 mm	Inner guard tube with collar; length: 605 mm	147-15-58
59	80.39.02	Außenschutzrohr mit Kappe; Rohrlänge: 605 mm	Outer guard tube with collar; length: 605 mm	147-15-59
60	84.11.04	Schutztrichter	Cape	147-15-60
61	82.36.03	Haltekette	Chain	137-28-23
(65)		Freilauf kpl. Bild-Nr. 1; 11; 12; 14	Freewheel unit cpl. illustr. no. 1. 1, 11, 12, 14	1472-15-65
(66)		Scheibenkupplung kpl. Bild-Nr. 2; 3; 4; 11; 18	Disc clutch cpl. illustr. no. 2, 3, 4, 5, 11, 18	1472-15-66
(67)		Gelenkwelle kpl. Bild-Nr. 1-61	P.t.o. shaft cpl. illustr. no. 1 to 61	1472-15-67
(68)		Gelenkwellenhälfte kpl. mit Stiftfreilauf Pos. 1; 11; 12; 14-16; 53-58	P.t.o. shaft cpl. (freewheel unit part) Pos. 1. 11. 12. 14-16. 53-58	1472-15-68
(69)		Gelenkwellenhälfte kpl. mit Scheibenkupplung Pos. 2-5; 11; 15; 17; 18; 54-57; 59; 60	P.t.o. shaft cpl. (disc-clutch part) Pos. 2-5. 11. 15. 17. 18. 54-57. 59. 60	1472-15-69

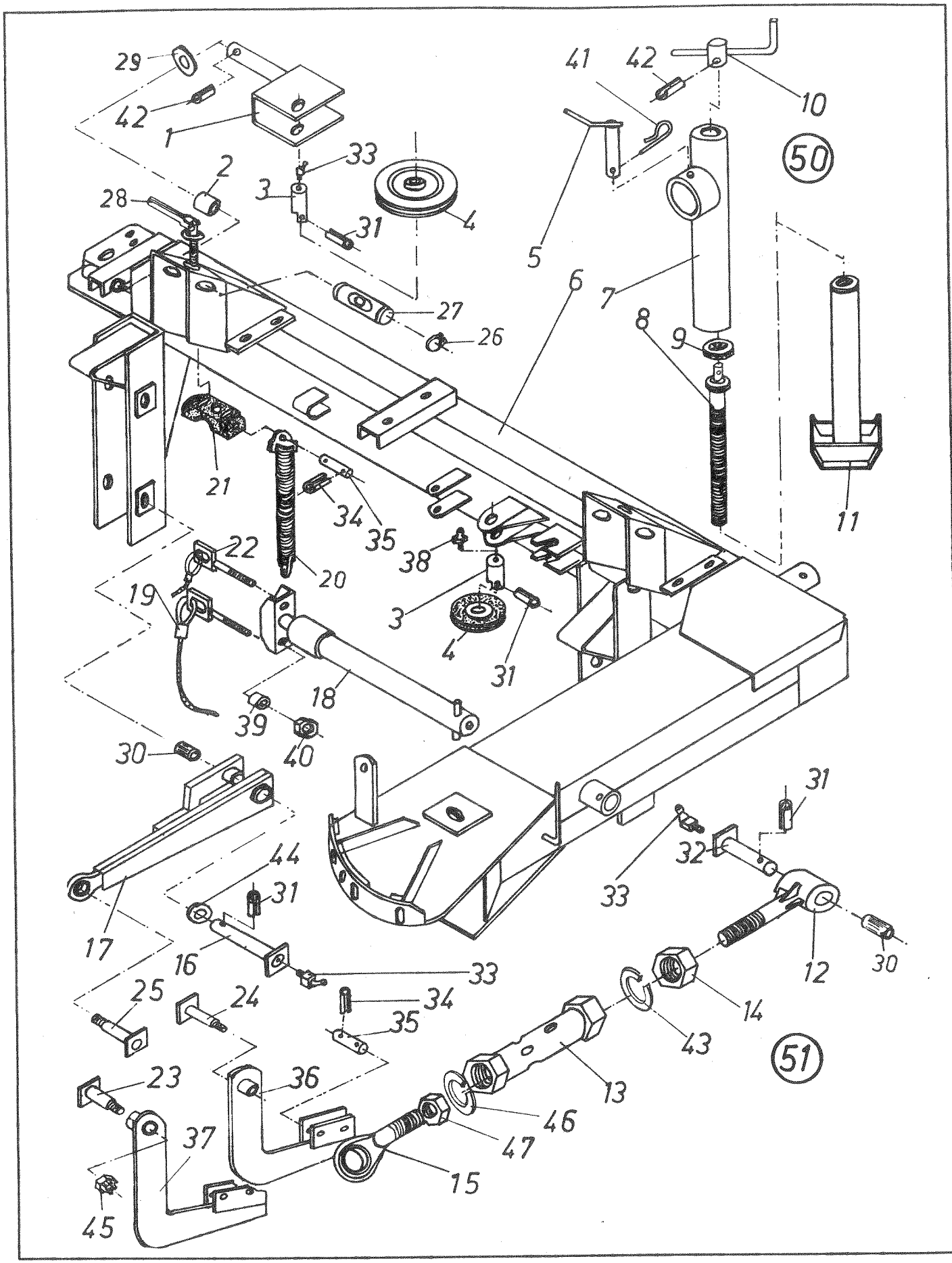
Drawbar with drive shaft
TM 4/270 + TM 4/330



Deichsel mit Antriebswelle
Drawbar with drive shaft
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Schraube M 8 x 15 DIN 933	Bolt M 8 x 15 DIN 933	1473-21-1
2	Schlauchklemme	Hose clamb	147-21-2
3	Zughebel 30 x 8 x 405	Lever 30 x 8 x 405	147-21-3
4	Schnäpperbolzen ⌀ 30 x 210	Latch bolt ⌀ 30 x 210	147-21-4
5	Spannstift 6 x 50	Tension pin 6 x 50	147-21-5
6	Druckfeder 4,5 x ⌀ 40 x 72	Coil spring 4,5 x ⌀ 40 x 72	152-58-6
7	Lagerbolzen ⌀ 35 x 227	Pivot axle ⌀ 35 x 227	147-21-7
8	Kronenmutter M 30 x 1,5	Castellated nut M 30 x 1,5	147-21-8
9	Buchse ⌀ 45 x 50	Bushing ⌀ 45 x 50	147-21-9
10	Gelenkwellenschutz 82.84.04	Drive shaft guard 82.84.04	137-20-10
11	Schraubenband für Gelenkwellenschutz	Strap for drive shaft guard	137-20-19
12	Deichsel	Drawbar	1472-21-12
13	Nutmutter	Rount nut with notches	1372-32-14
14	Sicherung	Lockwasher	1372-32-13
15	Spannhülse	Retainer sleeve	1372-32-12
16	Feststellring	Collar	1372-32-11
	Spannelement H 308	for locking unit H 308	
17	Seegering J 80 x 2,5	Circlip J 80 x 2,5	137-20-12
19	Antriebswelle ⌀ 35 x 100	Drive shaft (input) ⌀ 35 x 100	1472-21-19
20	Stellring ⌀ 35 x 50	Collar ⌀ 35 x 50	1372-32-7
21	Stellschraube AM 10 x 8	Set screw AM 10 x 8	1372-22-25
22	Kugellager 6307 2 RS oder 6307 LLU	Ball bearing 6307 2 RS or 6307 LLU	147-21-22
23	Schraube M 10 x 35	Bolt M 10 x 35	152-50-14
24	Gelenkwellenhalter	Holder for drive shaft	1472-21-24
25	Schutzrohrhalter	Guard tube holder	1472-21-25
26	Schraube M 8 x 20 mit Mutter	Bolt M 8 x 20 with nut	1472-21-26
27	Schutzrohr	Guard tube	1472-21-27
28	Mutter M 20 selbstsichernd DIN 980	Nut M 20 irreversible DIN 980	1472-21-28
29	Zugmaul	Hitch mouth	1472-21-29
30	Schraube M 20 x 130 DIN 931	Bolt M 20 x 130 DIN 931	1472-21-30
31	Schraube M 10 x 50 DIN 931	Bolt M 10 x 50 DIN 931	1473-21-31
32	Mutter M 10 DIN 934	Nut M 10 DIN 934	1473-21-32
33	Schraube M 10 x 40 DIN 931	Bolt M 10 x 40 DIN 931	1473-21-33
34	Schmiernippel H 1/S 9/Sechskant	Grease nipple H 1/S 9/hexagonal	152-42-40
35	Splint 5 x 60 DIN 94	Tension pin 5 x 60 DIN 94	1473-21-35
36	Scheibe ⌀ 31 x ⌀ 45 x 5	Round plate ⌀ 31 x ⌀ 45 x 5	1473-21-36
(40)	Deichsel kpl., Abb. 1–36	Drawbar cpl., illustr. no. 1–36	1472-21-35

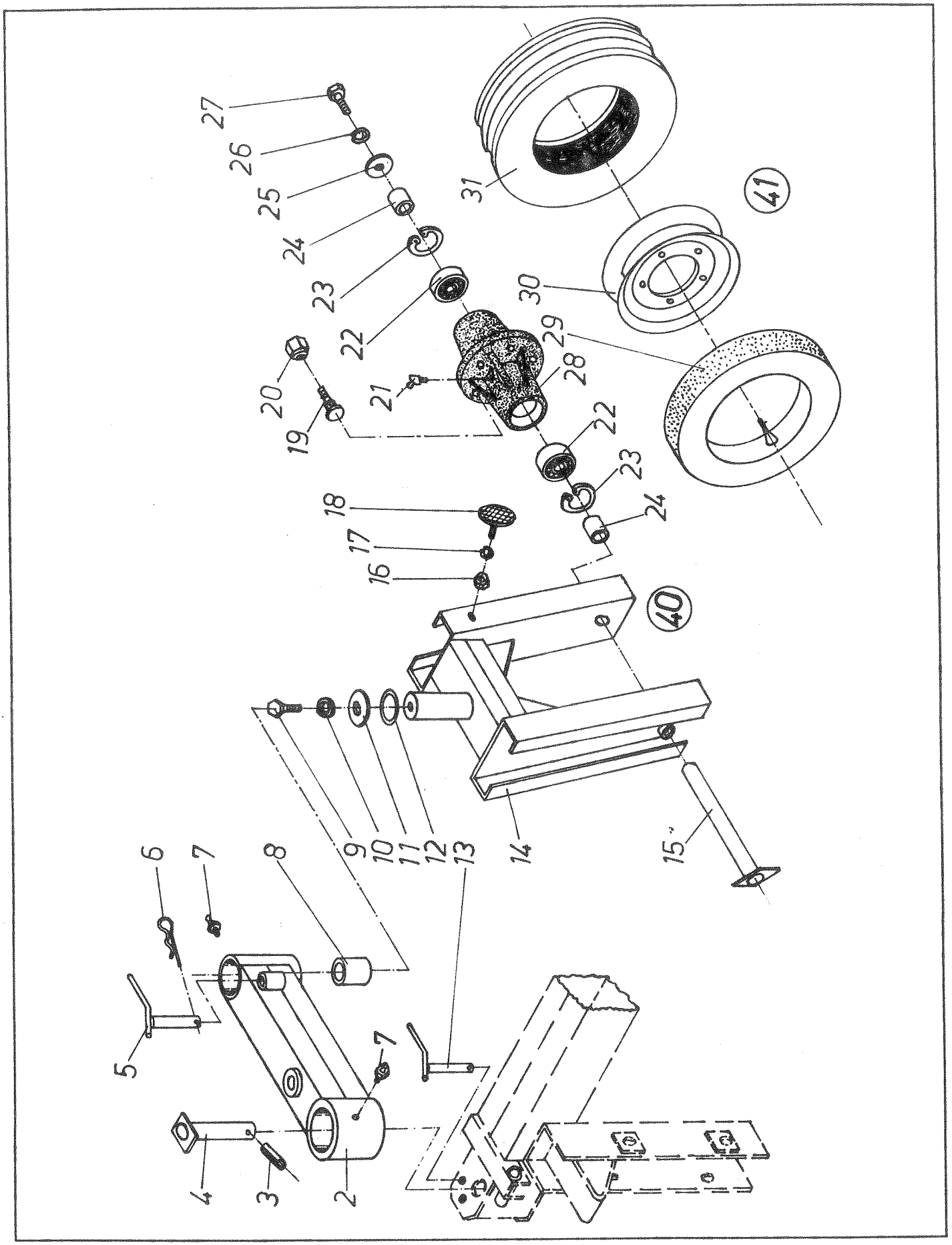
Carrier beam, control arms, hydraulic ram, cables, parking stand
TM 4/270 + TM 4/330



Tragholm, Steuerarme, Zylinder, Seile, Stützf
Carrier beam, control arms, hydraulic ram, cables, parking stand
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Pendelrollenhalter	Pivot bracket for roller	147-23-1
2	Buchse für Pendelrolle ⌀ 25 x ⌀ 30 x 30	Bushing for pivot bracket ⌀ 25 x ⌀ 30 x 30	147-23-2
3	Bolzen für Seilrolle ⌀ 25 x 78	Axle for roller ⌀ 25 x 78	147-23-3
4	Seilrolle ⌀ 120	Roller ⌀ 120	147-23-4
5	Steckbolzen für Stützfuß ⌀ 20 x 100	Pin for parking stand ⌀ 20 x 100	1471-23-5
6	Tragholm (TM 4/270)	Carrier beam (TM 4/270)	1473-23-6
6a	Tragholm (TM 4/330)	Carrier beam (TM 4/330)	1473-23-6a
7	Außenrohr für Stützfuß	Outer sleeve for parking stand	1471-23-7
8	Spindel für Stützfuß	Threaded spindle	153-56-6
9	Drucklager für Stützfuß	Thrust bearing	152-56-5
10	Kurbel für Stützfuß	Handle	152-56-1
11	Stützfuß	Stand	147-23-11
12	Gewindestück für Steuerarm links (tragholmseitig) M 30	Threaded piece for control arm left, at carrier beam end M 30	1473-23-12
13	Spannschloßmutter M 30	Threaded tube M 30	1471-23-13
14	Mutter M 30	Nut M 30	1473-23-14
15	Gewindestück für Steuerarm links (mähholmseitig) M 30 Linksgewinde	Threaded piece for control arm left, at cutterbar end M 30 lefthand thread	147-23-15
16	Lagerbolzen für Steuerarm rechts (tragholmseitig) ⌀ 30 x 150	Pin for control arm, right, at carrier beam end ⌀ 30 x 150	1473-23-16
17	Steuerarm rechts	Control arm right	1473-23-17
18	Hydraulikzylinder komplett DSK–D 4450 Ferg.	Complete hydraulic arm DSK–D 4450 Ferg.	1473-23-18
19	Verstellschraube mit langem Seil 3340 mm (ca. 131") (TM 4/270)	Adjusting screw with cable, 3340 mm (ca. 131") (TM 4/270)	1472-23-19
19a	Verstellschraube mit langem Seil 3734 mm (ca. 147") (TM 4/330)	Adjusting screw with cable, 3734 mm (ca. 147") (TM 4/330)	1473-23-19a
20	Entlastungsfeder mit Lasche für TM 4/270 Knickzetter ⌀ 7 x ⌀ 56 x 450 innen Bohrungslasche	Suspension spring with tongue for TM 4/270 with conditioner ⌀ 7 x ⌀ 56 x 450 inner tongue bore	1473-23-20
20a	Entlastungsfeder mit Lasche für TM 4/270 ohne Knickzetter ⌀ 6,3 x ⌀ 55 x 430 innen Bohrungslasche	Suspension spring with tongue for TM 4/270 without conditioner ⌀ 6,3 x ⌀ 55 x 430 inner tongue bore	1473-23-20a
20b	Entlastungsfeder mit Lasche für TM 4/330 Knickzetter ⌀ 7,5 x ⌀ 56 x 480 innen Bohrungslasche	Suspension spring with tongue for TM 4/330 with conditioner ⌀ 7,5 x ⌀ 56 x 480 inner tongue bore	1473-23-20b
20c	Entlastungsfeder mit Lasche für TM 4/330 ohne Knickzetter ⌀ 6,8 x ⌀ 56 x 440 innen Bohrungslasche	Suspension spring with tongue for TM 4/330 without conditioner ⌀ 6,8 x ⌀ 56 x 440 inner tongue bore	1473-23-20c
21	Federspannbügel (mit Gewinde Tr. 20 x 3)	Cocking lever for spring (with thread Tr. 20 x 3)	1473-23-21
22	Verstellschraube mit kurzem Seil 1560 mm (ca. 61") für TM 4/270 + TM 4/330	Adjusting screw with short cable length 1560 mm (ca. 61") for TM 4/270 and TM 4/330	1471-23-22
23	Lagerbolzen für Steuerarm mähholmseitig rechts unten ⌀ 25 x 132 mm lang (Gewinde M 24 x 1,5)	Pivot control arm at cutter bar end lower at right hand side ⌀ 25 x 132 mm length (thread M 24 x 1,5)	1474-23-23
24	Lagerbolzen für Steuerarm TM 4/270 mähholmseitig links unten ⌀ 25 x 147 mm lang (Gewinde M 24 x 1,5)	Pivot for control arm at cutter bar TM 4/270 end lower at left hand side ⌀ 25 x 147 mm length (thread M 24 x 1,5)	1474-23-24
24a	Lagerbolzen für Steuerram TM 4/330 mähholmseitig links unten ⌀ 25 x 162 (Gewinde M 24 x 1,5)	Pivot for control arm at cutter bar TM 4/330 end lower at left hand side ⌀ 25 x 162 (thread M 24 x 1,5)	1474-23-24a
25	Lagerbolzen für Steuerarm mähholmseitig rechts und links oben ⌀ 25 x 107 mm lang (Gew. M 24 x 1,5)	Pivot control arm at cutter bar end upper at right and left hand side ⌀ 25 x 107 mm length (M 24 x 1,5)	1471-23-23a
26	Seegerring A 35 x 1,5	Circlip A 35 x 1,5	57-9
27	Bolzen für Spindel	Pin for spindle	1472-23-27
28	Spindel Trapez-Gew. 20 x 3	Threaded spindle trapezoid turn 20 x 3	1473-23-28
29	Rotgußscheibe ⌀ 25,5 x ⌀ 40 x 5	Round plate ⌀ 25,5 x ⌀ 40 x 5	1472-23-29
30	Rotgußbuchse ⌀ 30 x ⌀ 36 x 30	Bushing ⌀ 30 x ⌀ 36 x 30	32-28a
31	Spannstift 6 x 50	Tention pin 6 x 50	147-21-5
32	Lagerbolzen ⌀ 30 x 120	Pivot ⌀ 30 x 120	1473-23-32
33	Schmiernippel H 2 S 9/Sechskant	Grease nipple H 2 S 9/hexagonal	1473-23-33
34	Spannstift 5 x 30	Tension pin 5 x 30	1473-23-34
35	Bolzen für Federhalterung ⌀ 16 x 45	Pin for suspension ⌀ 16 x 45	1473-23-35
36	Ausgleich für Feder links	Levelling for spring left	1473-23-36
37	Ausgleich für Feder rechts	Levelling for spring right	1473-23-37
38	Schmiernippel H 1 S 9/Sechskant	Grease nipple H 1 S 9/hexagonal	152-42-40
39	Distanzrohr 3/4" x 12 für Aufzugsseil	Spacer bushing 3/4" x 12 for cable	1473-23-39
40	Mutter M 16 DIN 934	Nut M 16 DIN 934	1473-23-40
41	Federstecker	Spring clip	152-24-5
42	Spannstift 8 x 40	Tension pin 8 x 40	1473-23-42
43	Federring B 30 DIN 127	Spring washer B 30 DIN 127	1473-23-43
44	Scheibe ⌀ 26 x ⌀ 50 x 3	Round plate ⌀ 26 x ⌀ 50 x 3	1473-23-44
45	Kronenmutter M 24 x 1,5 DIN 937	Castellated nut M 24 x 1,5 DIN 937	1473-26-18
46	Federring B 30 links DIN 127	Spring washer B 30 left hand DIN 127	1474-23-46
47	Mutter M 30 Linksgewinde	Nut M 30 lefthand thread	1474-23-47
(50)	Stützfuß kpl., Abb. 7–11, 42	Parking stand cpl. illustr. no. 7–11, 42	1472-23-32
(51)	Steuerarm kpl., Abb. 12–15, 30, 43, 46, 47	Control arm, illustr. no. 12–15, 30, 43, 46, 47	1473-23-51

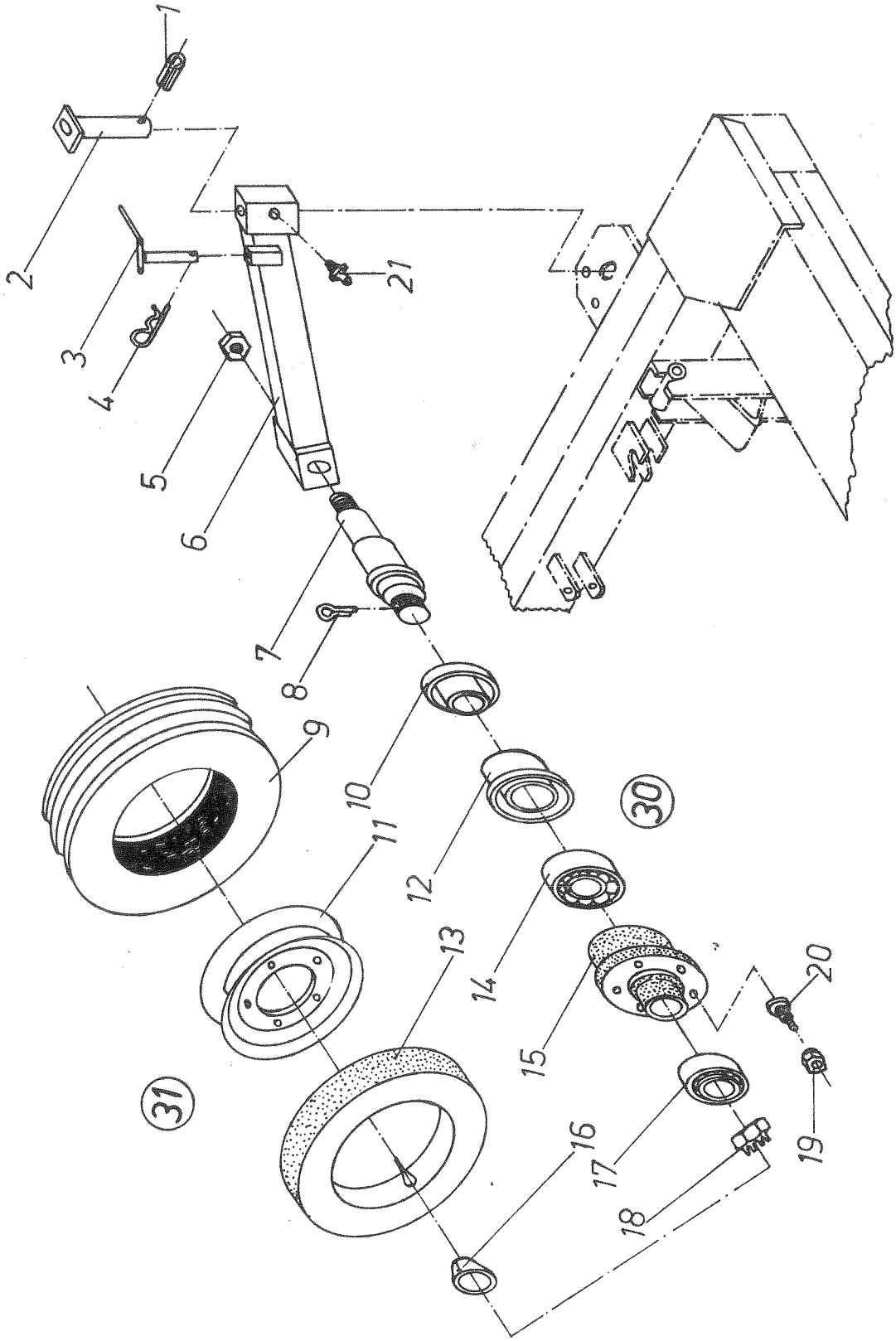
Schwenkrad (rechts)
Turning wheel (right)
TM 4/270 + TM 4/330



Schwenkrad (rechts)
Turning wheel (right)
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
2	Schwenkholm	Wheel carrier beam	1473-25-2
3	Spannstift 8 x 50	Tension pin 8 x 50	1473-25-3
4	Lagerbolzen ⌀ 35 x 190	Pivot pin ⌀ 35 x 190	147-25-1
5	Steckbolzen ⌀ 20 x 131	Pin ⌀ 20 x 131	147-25-2
6	Federstecker 4 DIN 11024	Spring slip 4 DIN 11024	152-24-6
7	Schmiernippel H 1 S 9/Sechskant	Grease nipple H 1 S 9/hexagonal	152-42-40
8	Buchse ⌀ 50 x ⌀ 55 x 60	Bushing ⌀ 50 x ⌀ 55 x 60	147-25-3
9	Schraube M 16 x 40	Bolt M 16 x 40	1473-25-9
10	Federring B 16 DIN 127	Spring washer B 16 DIN 127	1375-16-9
11	Scheibe ⌀ 17 x ⌀ 70 x 8	Round plate ⌀ 17 x ⌀ 70 x 8	147-25-5
12	Rotgußscheibe ⌀ 50 x ⌀ 70 x 5	Round plate ⌀ x 50 x ⌀ 70 x 5	1473-25-12
13	Steckbolzen ⌀ 20 x 155	Pin ⌀ 20 x 155	1471-25-2a
14	Radgabel für Reifen 7.00–12 (TM 4/270)	Wheel fork for tyre 7.00–12 (TM 4/270)	1473-25-14
14a	Radgabel für Reifen 10/80–12 (TM 4/330)	Wheel fork for tyre 10/80–12 (TM 4/330)	1474-25-14a
15	Radwelle ⌀ 30 x 269 (TM 4/270)	Wheel axle ⌀ 30 x 269 (TM 4/270)	147-25-8
15a	Radwelle ⌀ 30 x 339 (TM 4/330)	Wheel axle ⌀ 30 x 339 (TM 4/330)	1474-25-15a
16	Mutter M 6 DIN 934	Nut M 6 DIN 934	1473-25-16
17	Federring B 6 DIN 127	Spring washer B 6 DIN 127	1473-25-17
18	Rückstrahler Bestell-Nr. 600c ⌀ 75 mm	Reflector Part Order No. 600c ⌀ 75 mm	1472-25-23
19	Radbolzen M 14 x 1,5 x 40 lang mit 10 mm Rändelansatz	Wheel stud M 14 x 1,5 x 40 long	1472-25-22
20	Radmutter M 14 x 1,5 DIN 74361	Wheel nut M 14 x 1,5 DIN 74361	147-25-21
21	Schmiernippel H 2 S 9/Sechskant	Grease nipple H 2 S 9/hexagonal	1473-23-33
22	Kugellager 6206 1 RS	Ball bearing 6206 1 RS	1473-25-22
23	Seegerring J 62 x 2	Circlip J 62 x 2	1376-16-22
24	Distanzbuchse ⌀ 32 x ⌀ 44,5 x 33 (TM 4/270)	Spacer-bushing ⌀ 32 x ⌀ 44,5 x 33 (TM 4/270)	147-25-10
24a	Distanzbuchse ⌀ 32 x ⌀ 44,5 x 68 (TM 4/330)	Spacer-bushing ⌀ 32 x ⌀ 44,5 x 68 (TM 4/330)	1474-25-24a
25	Scheibe ⌀ 14 x ⌀ 40 x 4	Round plate ⌀ 14 x ⌀ 40 x 4	147-25-9
26	Federring B 12	Spring washer B 12	1372-22-27
27	Schraube M 12 x 25	Bolt M 12 x 25	1372-22-8
28	Radnabe Guß	Wheel hub	147-25-12
29	Schlauch 7.00–12 AM (TM 4/270)	Tube 7.00–12 AM (TM 4/270)	147-25-15
29a	Schlauch 10.0/80–12 (TM 4/330)	Tube 10.0/80–12 (TM 4/330)	1474-25-29a
30	Felge 4,25–12 (TM 4/270)	Rim 4,25–12 (TM 4/270)	147-25-16
30a	Felge 7.00–12 (TM 4/330)	Rim 7.00–12 (TM 4/330)	1474-25-30a
31	Reifen 7.00–12 T 7 (4 ply) (TM 4/270)	Tyre 7.00–12 T 7 (4 ply) (TM 4/270)	147-25-14
31a	Reifen 10.0/80–12 T 7 (4 ply) (TM 4/330)	Tyre 10.0/80–12 T 7 (4 ply) (TM 4/330)	1474-25-31a
(40)	Radgabel mit Reifen komplett (Abb. 14, 15, 19–31)	Wheel fork with tyre complete (Illustr. 14, 15, 19 to 31)	1473-25-40
(40a)	Radgabel mit Reifen komplett (TM 4/330) (Abb. 14a, 15a, 19–28, 29a–31a)	Wheel fork with tyre complete (Illustr. 14a, 15a, 19–28, 29a–31a)	1474-25-40a
(41)	Reifen, Schlauch und Felge komplett aufgezogen (Abb. 29–31)	Tyre, tube and rim complete (illustr. 29–31)	1473-25-41
(41a)	Reifen, Schlauch und Felge komplett aufgezogen (TM 4/330) (Abb. 29a–31a)	Tyre, tube and rim complete (Illustr. 29a–31a)	1474-25-41a

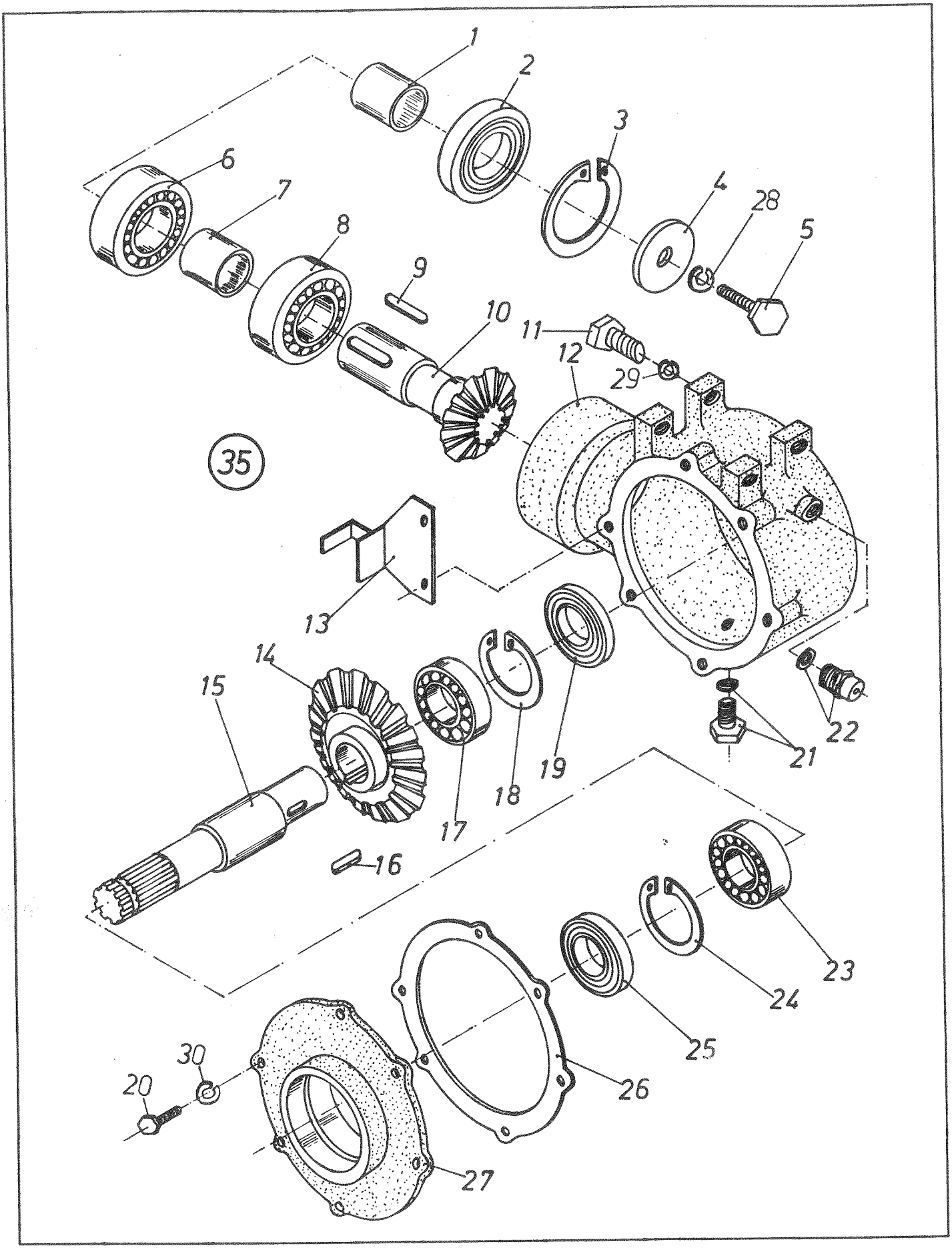
Spurrad (links)
Track wheel (left)
TM 4/270 + TM 4/330



Spurrad (links)
Track wheel (left)
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Spannstift 8 x 50	Tension pin 8 x 50	1473-25-3
2	Lagerbolzen ⌀ 35 x 190	Pivot pin ⌀ 35 x 190	147-25-1
3	Steckbolzen ⌀ 20 x 131	Pin ⌀ 20 x 131	147-25-2
4	Federstecker 4 DIN 11024	Spring clip 4 DIN 11024	152-24-6
5	Mutter M 30 x 1,5 DIN 936	Nut M 30 x 1,5 DIN 936	1372-36-19
6	Schwenkholm	Wheel carrier beam	1471-25-18
7	Achse 45er Vierkant 62 lang (TM 4/270)	Axle 45er square 62 long (TM 4/270)	1473-26-7
7a	Achse 45er Vierkant 102 lang (TM 4/330)	Axle 45er square 102 long (TM 4/330)	1474-26-7a
8	Splint 4,5 x 40	Split pin 4,5 x 40	1473-26-8
9	Reifen 7.00-12 T 7 (4 ply) (TM 4/270)	Tyre 7.00-12 T 7 (4 ply) (TM 4/270)	147-25-14
9a	Reifen 10.0/80-12 T 7 (4 ply) (TM 4/330)	Tyre 10.0/80-12 T 7 (4 ply) (TM 4/330)	1474-25-31a
10	Stoßringe G 1451 R	Push ring G 1451 R	1473-26-10
11	Felge 4,25-12 (TM 4/270)	Rim 4,25-12 (TM 4/270)	147-25-16
11a	Felge 7.00-12 (TM 4/330)	Rim 7.00-12 (TM 4/330)	1474-25-30a
12	Labyrinthring	Maze ring	1473-26-12
13	Schlauch 7.00-12 AM (TM 4/270)	Tube 7.00-12 AM (TM 4/270)	147-25-15
13a	Schlauch 10.0/80-12 (TM 4/330)	Tube 10.0/80-12 (TM 4/330)	1474-25-29a
14	Kugelrollenlager LM 501310/49	Cone roll bearing LM 501310/49	1473-26-14
15	Radnabe G 1127-8 F	Wheel hub G 1127-8 F	1473-26-15
16	Radkappe G 2090	Wheel cape G 2090	1473-26-16
17	Kugelrollenlager L 44610/49	Cone roll bearing L 44610/49	1473-26-17
18	Kronenmutter M 24 x 1,5 DIN 937	Castellated nut M 24 x 1,5 DIN 937	1473-26-18
19	Radmutter M 14 x 1,5 DIN 74361	Wheel nut M 14 x 1,5 DIN 74361	147-25-21
20	Radbolzen M 14 x 1,5 x 40 lang mit 10 mm Rändelansatz	Wheel stud M 14 x 1,5 x 40	1472-25-22
21	Schmiernippel H1 S9/Sechskant	Grease nipple H1 S9/hexagonal	152-42-40
(30)	Radnabe komplett (TM 4/270) (Abb. 7, 8, 10, 12, 14-20)	Wheel hub complete (TM 4/270) (Illustr. 7, 8, 10, 12, 14-20)	147-25-20
(30a)	Radnabe komplett (TM 4/330) (Abb. 7a, 8, 10, 12, 14-20)	Wheel hub complete (TM 4/330) (Illustr. 7a, 8, 10, 12, 14-20)	1474-26-30a
(31)	Reifen, Schlauch und Felge komplett aufgezogen (Abb. 9, 11, 13)	Tyre, tube and rim complete (Illustr. 9, 11, 13)	1473-25-41
(31a)	Reifen, Schlauch und Felge komplett aufgezogen (Abb. 9a, 11a, 13a)	Tyre, tube and rim complete (Illustr. 9a, 11a, 13a)	1474-25-41a

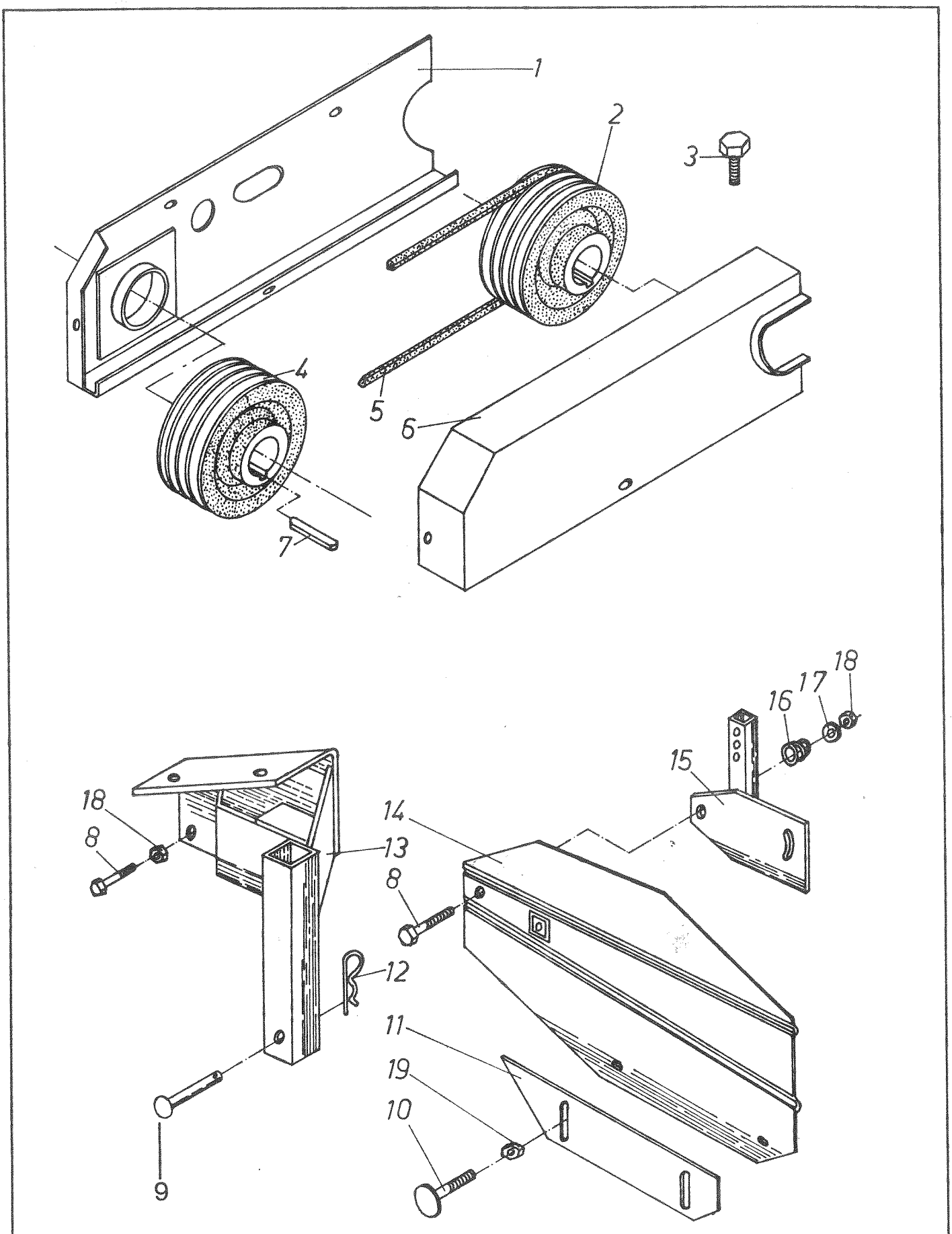
Gearbox
TM 4/270 + TM 4/330



Getriebe
Gearbox
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Distanzbuchse Ø 35 x Ø 55 x 24	Spacer bushing Ø 35 x Ø 55 x 24	147-27-1
2	Simmerring 55 x 100 x 13 B 2 FG	Oil seal 55 x 100 x 13 B 2 FG	147-27-2
3	Seegerring J 100 x 3	Circlip J 100 x 3	147-27-3
4	Scheibe Ø 15 x Ø 70 x 6	Round plate Ø 15 x Ø 70 x 6	147-27-4
5	Schraube M 12 x 30	Set screw M 12 x 30	1473-38-3
6	Kugellager 6407	Ball bearing 6407	147-27-6
7	Distanzbuchse außen Ø 48,3 x 30 lang	Spacer bushing outer Ø 48,3 x 30 length	147-27-7
8	Kugellager NUP 308	Ball bearing NUP 308	147-27-8
9	Paßfeder 10 x 8 x 80 A	Key 10 x 8 x 80 A	147-27-9
10	Ritzelwelle 14 Zähne 222 lang	Pinion 14 teeth 222 long	147-27-10
11	Befestigungsschraube M 16 x 30	Bolt M 16 x 30	147-27-11
12	Gehäuse (0-147-141-0)	Housing (0-147-141-0)	147-27-12
13	Führung für Keilriemenschutz	Bracket for V-belt guard	147-27-13
14	Kegelrad 31 Zähne	Bevel geer 31 teeth	147-27-14
15	Antriebswelle ⌀ 42 x 274	Input shaft ⌀ 42 x 274	147-27-15
16	Paßfeder 10 x 8 x 36 B	Key 10 x 8 x 36 B	147-27-16
17	Kugellager 6307	Ball bearing 6307	137-20-6
18	Seegerring J 80 x 2,5	Circlip J 80 x 2,5	137-20-12
19	Simmerring 35 x 80 x 13 B 2	Oilseal 35 x 80 x 13 B 2	137-20-11
20	Schraube M 10 x 30	Bolt M 10 x 30	1471-27-20
21	Ölablaßschraube mit Dichtring M 18 x 1,5 DIN 910	Drain plug with sealing ring M 18 x 1,5 DIN 910	1471-27-21
22	Entlüfter Nr. 145 74 320 10	Breather No. 145 74 320 10	147-27-22
23	Kugellager 6307	Ball bearing 6307	137-20-6
24	Seegerring J 80 x 2,5	Circlip J 80 x 2,5	137-20-12
25	Simmerring 35 x 80 x 13 B 2	Oil seal 34 x 80 x 13 B 2	137-20-11
26	Dichtung	Gasket	147-27-26
27	Deckel (3-147-142-0)	Cover (3-147-142-0)	147-27-27
28	Federring B 12 DIN 127	Spring washer B 12 DIN 127	1372-22-27
29	Federring B 16 DIN 127	Spring washer B 16 DIN 127	1375-16-9
30	Federring B 10 DIN 127	Spring washer B 10 DIN 127	1375-16-20
(35)	Getriebe komplett Abb. 1-30	Gearbox cpl. illustr. no. 1-30	1472-27-30

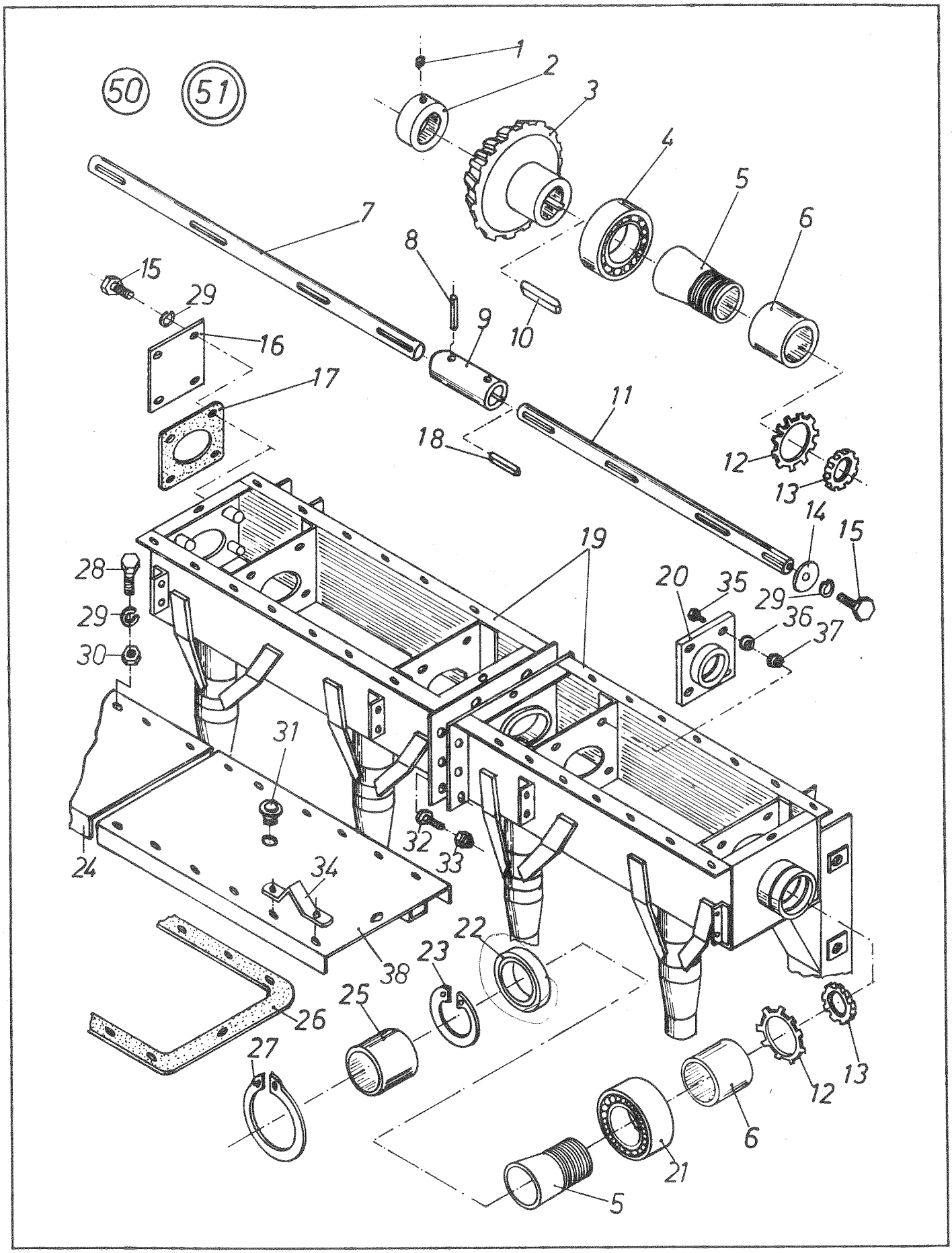
Schwadblech TM 4/270 + TM 4/330
V-Belt drive, cutter bar, swath board



Keilriemenantrieb – Mähholm TM 4/270 + TM 4/330
Schwadblech TM 4/270 + TM 4/330
V-Belt drive, cutter bar, swath board

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Schutzkasten mähholmseitig (bei 540 U/min an der Schlepperzapfwelle)	Guard cutter bar side (at 540 rpm by the p. t. o. shaft of the tractor)	1473-30-1
1a	Schutzkasten mähholmseitig (bei 1000 U/min an der Schlepperzapfwelle)	Guard cutter bar side (at 1000 rpm by the p. t. o. shaft of the tractor)	1474-30-1a
2	Riemenscheibe getriebeseitig außen ⌀ 208 mm TM 4/330 (bei 540 und 1000 U/min an der Schlepperzapfwelle)	V-belt pulley on gear box side outer ⌀ 208 mm TM 4/330 (at 540 and 1000 rpm by the p. t. o. shaft of the tractor)	1471-30-2
2a	Riemenscheibe getriebeseitig außen ⌀ 232 mm TM 4/270 (bei 540 und 1000 U/min an der Schlepperzapfwelle)	V-belt pulley on gear box side outer ⌀232 mm TM 4/270 (at 540 and 1000 rpm by the p. t. o. shaft of the tractor)	1471-30-2a
3	Schraube M 8 x 15	Bolt M 8 x 15	1473-21-1
4	Riemenscheibe mähholmseitig außen ⌀ 232 mm TM 4/330 (bei 540 U/min an der Schlepperzapfwelle)	V-belt pulley on cutter bar side outer ⌀ 232 mm TM 4/330 (at 540 rpm by the p. t. o. shaft of the tractor)	1471-30-2a
4a	Riemenscheibe mähholmseitig außen ⌀ 208 mm TM 4/270 (bei 540 U/min an der Schlepperzapfwelle)	V-belt pulley on cutter bar side outer ⌀ 208 mm TM 4/270 (at 540 rpm by the p. t. o. shaft of the tractor)	1471-30-2
4b	Riemenscheibe mähholmseitig außen ⌀ 378 mm für TM 4/270 und TM 4/330 (bei 1000 U/min an der Schlepperzapfwelle)	V-belt pulley on cutter bar side outer ⌀ 378 mm for TM 4/270 and TM 4/330 (at 1000 rpm by the p. t. o. shaft of the tractor)	1474-30-4b
5	Keilriemen (nur Satzweise = 4 Stück) S 19 x 1700 LW (bei 540 U/min an der Schlepperzapfwelle)	V-belt (in sets only 4) S 19 x 1700 LW (at 540 rpm by the p. t. o. shaft of the tractor)	1471-30-5
5a	Keilriemen (nur Satzweise = 4 Stück) S 19 x 1975 (bei 1000 U/min an der Schlepperzapfwelle)	V-belt (in sets only 4) S 19 x 1975 (at 1000 rpm by the p. t. o. shaft of the tractor)	1474-30-5a
6	Schutzkasten getriebeseitig (bei 540 U/min an der Schlepperzapfwelle)	Guard gear box side (at 540 rpm by the p. t. o. shaft of the tractor)	1473-30-6
6a	Schutzkasten getriebeseitig (bei 1000 U/min an der Schlepperzapfwelle)	Guard gear box side (at 1000 rpm by the p. t. o. shaft of the tractor)	1474-30-6a
7	Paßfeder A 10 x 8 x 80	Key A 10 x 8 x 80	147-27-9
8	Schraube M 12 x 70	Bolt M 12 x 70	1472-30-8
9	Niet 10 x 60	Rivet 10 x 60	137-26-11
10	Schloßschraube M 10 x 20	Carriage bolt M 10 x 20	1471-30-10
11	Verstellstück für Schwadblech	Extension on swath board	1472-30-11
12	Federstecker	Spring clip	152-24-5
13	Schwadblechhalter bei Einschwadablage links und rechts (bei Spurräumung TM 4/270 nur rechts)	Swath board bracket, at single swath attachment left and right (crop divider TM 4/270 right only)	1473-30-13
14	Schwadblech bei Einschwadablage links und rechts (bei Spurräumung TM 4/270 nur rechts)	Swath board, at single swath attachment left and right (crop divider TM 4/270 right only)	1472-30-14
15	Höhenverstellung, links oder rechts angeben	Height adjusting piece, left or right	1372-34-13
16	Druckfeder ⌀ 6 x 4,5 Windung	Spring ⌀ 6 x 4,5	32-57
17	Scheibe DIN 125 A 13 x ⌀ 24 x 2,5	Round plate DIN 125 A 13 x ⌀ 24 x 2,5	1473-30-17
18	Mutter M 12 selbstsichernd	Self-locking nut M 12	1473-32-33
19	Mutter M 10 selbstsichernd	Self-locking nut M 10	1473-30-19

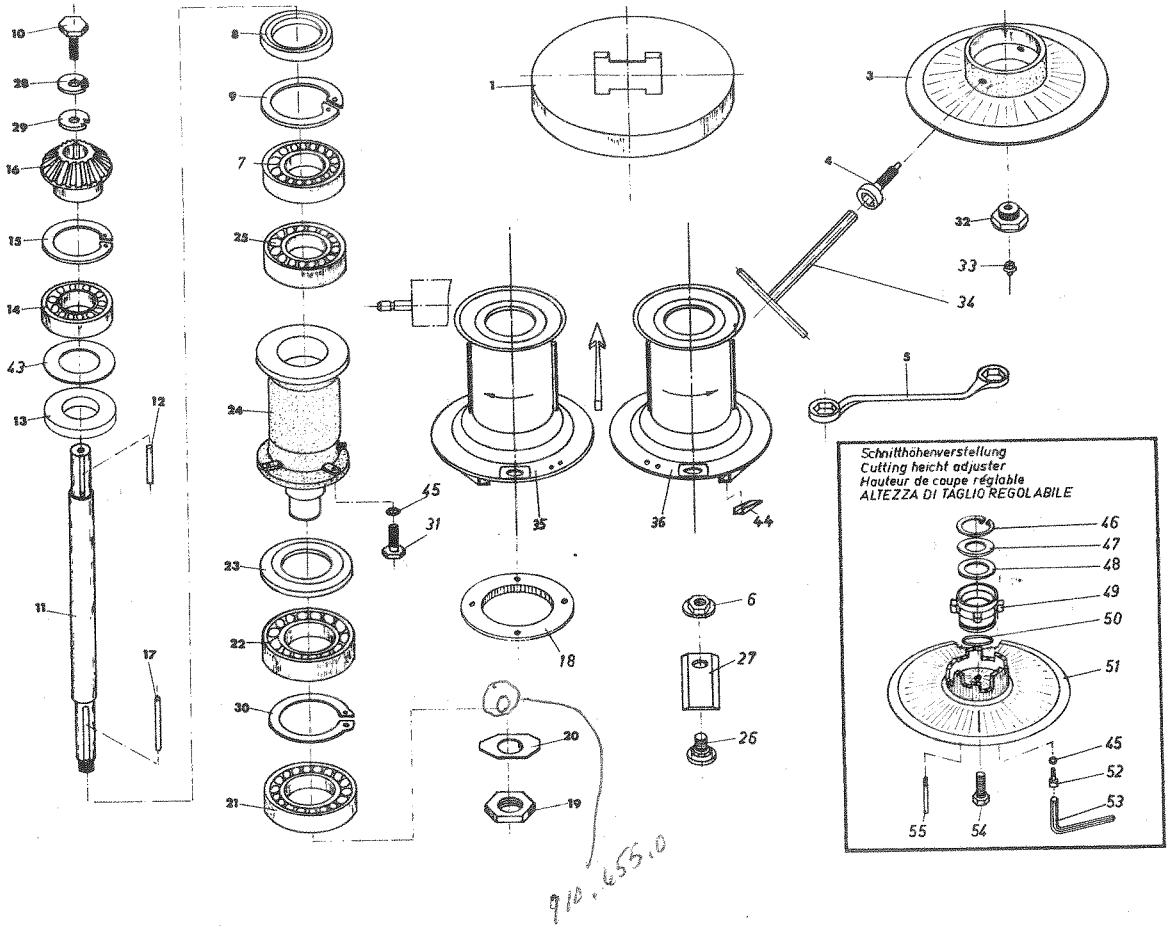
Cutter bar
TM 4/270 + TM 4/330



Mähholm
Cutter bar
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Stellschraube AM 10 x 8 DIN 916	Grubscrew AM 10 x 8 DIN 916	1372-22-25
2	Stellring ⌀ 35 x ⌀ 50 x 18	Collar ⌀ 35 x ⌀ 50 x 18	1372-32-7
3	Kegelrad 33 Zähne	Pinion 33 teeth	1373-22-8
4	Kugellager 6207	Ball bearing 6207	1372-32-10
5	Spannhülse für Spannelement H 308	Retainer sleeve for cock unit H 308	1372-32-12
6	Feststellring	Collar	1372-32-11
7	Antriebswelle rechts ⌀ 35 x 1250 (TM 4/270 ohne Knickzetter)	Drive shaft right ⌀ 35 x 1250 (TM 4/270 without conditioner)	147-32-7a
7a	Antriebswelle rechts ⌀ 35 x 1445 (TM 4/330 ohne Knickzetter)	Drive shaft right ⌀ 35 x 1445 (TM 4/330 without conditioner)	1473-32-7
8	Spannstift 6 x 60	Tension pin 6 x 60	147-32-8
9	Verbindungsmuffe ⌀ 35 x ⌀ 60 x 140	Coupling bushing ⌀ 35 x ⌀ 60 x 140	147-32-9
10	Paßfeder 10 x 8 x 56 B (St 90)	Key 10 x 8 x 56 B (ST 90)	1372-32-9
11	Antriebswelle links ⌀ 35 x 1350 (TM 4/270)	Drive shaft left ⌀ 35 x 1350 (TM 4/270)	147-32-11a
11b	Antriebswelle links ⌀ 35 x 1482 (TM 4/330)	Drive shaft left ⌀ 35 x 1482 (TM 4/330)	1473-32-11b
12	Sicherung für Spannelement H 308	Lockwasher for lock unit H 308	1372-32-13
13	Nutmutter für Spannelement H 308	Round nut with notches for lock unit H 308	1372-32-14
14	Scheibe ⌀ 13 x ⌀ 70 x 6	Round plate ⌀ 13 x ⌀ 70 x 6	147-27-4
15	Schraube M 12 x 30	Set screw M 12 x 30	1471-38-3
16	Deckel (seitlich rechts)	Cover (right hand side)	1473-32-16
17	Dichtung für Deckel (seitlich rechts)	Gasket for cover (right hand side)	1473-32-17
18	Paßfeder A 10 x 8 x 63	Key A 10 x 8 x 63	147-32-18
19	Mähholm (TM 4/270) (links und rechts)	Cutter bar casing (TM 4/270) (left and right)	1473-32-19
19a	Mähholm (TM 4/330) (links und rechts)	Cutter bar casing (TM 4/330) (left and right)	1473-32-19a
20	Lagerblech	Bearing housing	1373-22-5
21	Pendelrollenlager 22208 HLK	Pendulum roll bearing 22208 HLK	1473-32-21
22	Simmerring 50 x 80 x 13 B 2 SL	Oil seal 50 x 80 x 13 B 2 SL	1473-32-22
23	Seegerring J 80 x 2,5 DIN 472	Circlip J 80 x 2,5 DIN 472	137-20-12
24	Deckel rechts (TM 4/270) 246 breit x 1318	Cover right (TM 4/270) 246 breit x 1318	1472-32-24
24a	Deckel rechts (TM 4/330) 246 breit x 1517	Cover right (TM 4/330) 246 breit x 1517	1473-32-24a
25	Distanzbuchse ⌀ 35 x ⌀ 50 x 20	Spacer bushing ⌀ 35 x ⌀ 50 x 20	1473-32-25
26	Dichtung links + rechts (TM 4/270) 3 x 225 x 1310	Gasket left + right (TM 4/270) 3 x 225 x 1310	1472-32-26
26a	Dichtung links + rechts (TM 4/330) 3 x 225 x 1509	Gasket left + right (TM 4/330) 3 x 225 x 1509	1473-32-26a
27	Seegerring A 95 x 3 DIN 471	Circlip A 95 x 3 DIN 471	1473-32-27
28	Schraube für Deckel M 12 x 25 St. 10.9	Bolt for cover M 12 x 25 St. 10.9	1372-22-8
29	Federring B 12 DIN 127	Spring washer B 12 DIN 127	1372-22-27
30	Mutter M 12 DIN 934	Nut M 12 DIN 934	1372-22-26
31	Entlüftungsschraube M 12 x 1,5	Vent screw M 12 x 1,5	1375-18-2
32	Schraube M 12 x 35	Bolt M 12 x 35	1473-32-32
33	Mutter M 12 selbstsichernd	Self-locking nut M 12	1473-32-33
34	Bügel zum Verladen	Bow to load	1473-32-34
35	Schraube M 8 x 20	Bolt M 8 x 20	1373-22-4
36	Scheibe ⌀ 8,4 ⌀ 17 x 2	Round plate ⌀ 8,4 x ⌀ 17 x 2	1473-32-36
37	Mutter M 8 DIN 934	Nut M 8 DIN 934	1473-32-37
38	Deckel links (TM 4/270) 246 breit x 1318 } mit	Cover left (TM 4/270) 246 wide x 1318 } with	1473-32-38
38a	Deckel links (TM 4/330) 246 breit x 1517 } Fettrille	Cover left (TM 4/330) 246 wide x 1517 } grease groove	1473-32-38a
(50)	Mähholm kpl. (TM 4/270) mit oder ohne Anbauteile für Knickzetter (Abb. 1–37)	Cutter bar cpl. (TM 4/270) with or without attachment parts for conditioner (illustr. 1–37)	1473-32-50
(50a)	Mähholm kpl. (TM 4/330) mit oder ohne Anbauteile für Knickzetter (Abb. 1–37)	Cutter bar cpl. (TM 4/330) with or without attachment parts for conditioner (illustr. 1–37)	1473-32-50a
(51)	Mähholm (TM 4/270) mit Trommeln und Stütztellern kpl. montiert (unbedingt angeben Schnitthöhe bei nicht verstellbaren Stütztellern und ob TM mit oder ohne Knickzetter)	Cutter bar cpl. (TM 4/270) with cylinders and saucers cpl. mounted (state cutting height by saucers without cutting height adjusting and whether the mach. with or without conditioner)	1473-32-51
(51a)	Mähholm komplett (TM 4/330) wie bei 51 beschrieben	Cutter bar complete (TM 4/330) as described under 51	1473-32-51a

Cylinders
TM 4/270 + TM 4/330



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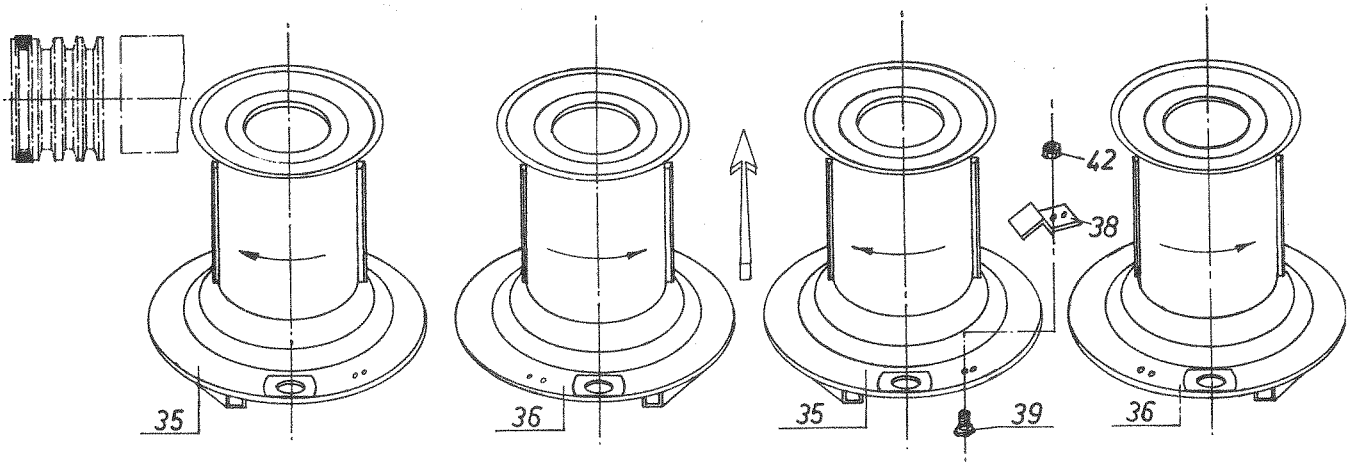
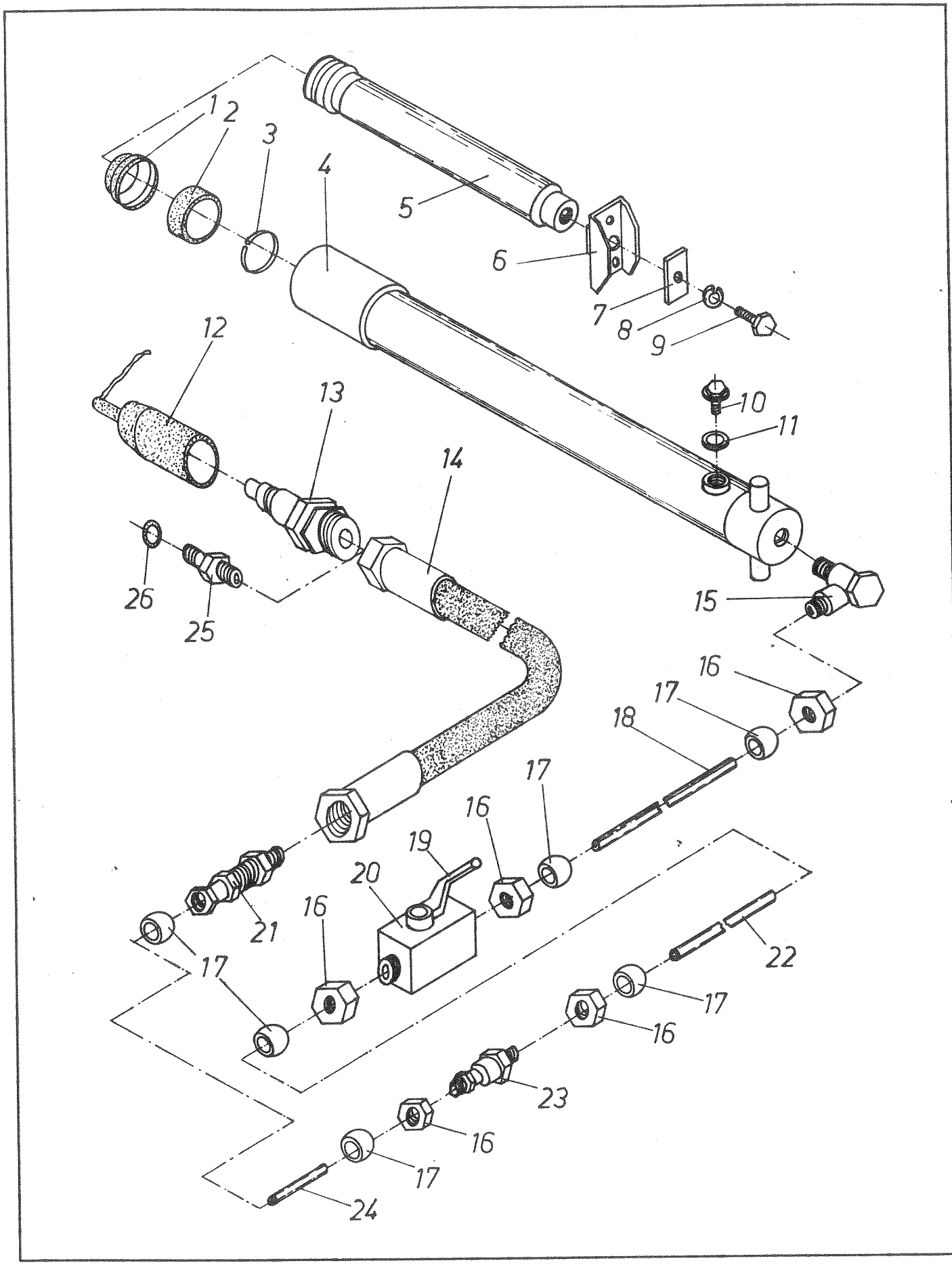


Trommeln
Cylinders
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.	
1	Schutzkappe	Lid	1375-20-1	
3	Stützteller (TM 4/270) (Schnitthöhe angeben)	Saucer (TM 4/270) (staate cutting height)	1374-24-3	
3a	Stützteller (TM 4/330) (Schnitthöhe angeben)	Saucer (TM 4/330) (state cutting height)	1374-24-3a	
4	Zylinderschraube M 10 x 25 DIN 912	Allen set screw M 10 x 25 DIN 912	1372-24-4	905.979.0
5	Ringschlüssel SW: 17/19	Ring spanner SW: 17/19	1377-26-5	
6	Mutter M 12 für Messerbefestigung (Tensilock)	Nut M 12 for blade retainer (Tensilock)	1377-26-6	
7	Kugellager 6014	Ball bearing 6014	1372-36-7	
8	Simmerring A 70 x 110 x 13 B 2	Oil seal A 70 x 110 x 13 B 2	1372-36-8	
9	Seegerring J 110 x 4	Circlip J 110 x 4	1374-24-9	
10	Schraube M 12 x 20	Setscrew M 12 x 20	1372-36-18	
11	Trommelwelle ⌀ 35 x 483	Cylinder shaft ⌀ 35 x 483	1372-36-11	When housing is replaced
12	Paßfeder 10 x 8 x 45 B	Key 10 x 8 x 45 B	1373-24-12	
13	Simmerring A 35 x 62 x 12 B 2	Oil seal A 35 x 62 x 12 B 2	1372-36-13	
14	Kugellager 6306	Ball bearing 6306	1372-36-14	old # 1372.36.24 has been replaced
15	Seegerring J 72 x 2,5	Circlip J 72 x 2,5	1372-22-6	
16	Kegelrad, 20 Zähne	Pinion 20 teeth	1373-24-16	
17	Paßfeder A 10 x 8 x 56	Key A 10 x 8 x 56	1373-24-17	
18	Schutzkappe	Lid	1373-24-18	
19	Mutter M 30 x 1,5 DIN 936	Nut M 30 x 1,5 DIN 936	1372-36-19	
20	Sicherungsblech	Locking Plate	1372-36-20	
21	Kugellager 6406	Ball bearing 6406	1372-36-21	930.640.0
22	Kugellager 6212	Ball bearing 6212	1374-24-22	
23	Nilos-Ring 60 x 110 LSTO	Nilos seal 60 x 110 LSTO	1372-36-23	141.025.1
24	Lagergehäuse	Housing	1372-36-24	141.025.2
25	Kugellager 6211	Ball bearing 6211	1372-36-25	
26	Schraube M 12 für Messerbefestigung	Blade retainer bolt M 12	1377-26-26	Also use
27	Messer 88 mm lang	Blade; length: 88 mm	1372-24-27	
28	Schraubensicherung 1,5 mm dick	Lock plate 1,5 mm thickness	1372-36-28	# 910.655.0
29	Schraubensicherung 3 mm dick	Lock plate 3 mm thickness	1372-36-29	washer
30	Seegerring A 60 x 2	Circlip A 60 x 2	1374-24-30	
31	Schraube M 10 x 25	Bolt M 10 x 25	1373-24-31	
32	Schraube M 20 für Stützteller	Plug M 20 for saucer	1374-36-32	
33	Schmiernippel H 1 S 9/Sechskant 8 x 1	Grease nipple H 1 S 9/hexagonal 8 x 1	152-42-40	
34	Sechskantschlüssel 8 mm x 330 lang	Allen key 8 mm x 330 long	1375-20-34	
35	Trommel (TM 4/270) mit und ohne Knickzetter (links)	Cylinder for TM 4/270 with and without conditioner (left)	1375-20-35	
35a	Trommel (TM 4/330) mit und ohne Knickzetter (links)	Cylinder for TM 4/330 with and without conditioner (left)	1375-20-35a	
36	Trommel (TM 4/270) mit und ohne Knickzetter (rechts)	Cylinder for TM 4/270 with and without conditioner (right)	1375-20-36	
36a	Trommel (TM 4/330) mit und ohne Knickzetter (rechts)	Cylinder for TM 4/330 with and without conditioner (right)	1375-20-36a	
38	Förderschaufeln nur für TM mit Knickzetter	Feeding strips only for TM with conditioner	1473-33a-38	
39	Schraube M 12 x 25	Bolt M 12 x 25	1372-22-8	
42	Mutter M 12 selbstsichernd	Self-locking Nut M 12	1473-32-33	
43	Paßscheiben, je Trommel 2; 1; 0,5; 0,3; 0,1 mm x ⌀ 71	Round plate per Cylinder 2; 1; 0,5; 0,3; 0,1 mm x ⌀ 71	1473-32-43	
44	Schutz für Messerschraube	Guard for knive bolt	1473-32-44	
45	Federring B 10 DIN 127	Spring washer B 10 DIN 127	1375-16-20	
46	Seegerring J 90 x 3 DIN 472	Circlip J 90 x 3 DIN 472	1377-26-46	
47	Stützscheibe 70 x 90 x 3,5 geschliffen	Support washer 70 x 90 x 3,5	1377-26-47	
48	Paßscheiben 70 x 90 x 1; 0,5; 0,3; 0,1	Round plate 70 x 90 x 1; 0,5; 0,3; 0,1	1377-26-48	
49	Lagergehäuse für Stützteller	Bearing housing for saucer	1377-26-49	
50	O-Ring 95 x 3	O-ring 95 x 3	1377-26-50	
51	Stützteller TM 4/270 (Schnitthöhenverstellung)	Saucer for TM 4/270 (cutting height adjusting)	1377-26-51	
51a	Stützteller TM 4/330 (Schnitthöhenverstellung)	Saucer for TM 4/330 (cutting height adjusting)	1377-26-51a	
52	Zylinderschraube M 10 x 35 DIN 912	Cylinder bolt M 10 x 35 DIN 912	1377-26-52	
53	Sechskantschlüssel 8 x 100 x 200	Wrench 8 x 100 x 200	1377-26-53	
54	Abziehschraube M 20 x 70	Pulling screw M 20 x 70	1377-26-54	
55	Gewindebolzen M 10 x 120 zum Wechseln der Stützteller	Threaded bolt M 10 x 120 for saucer-changing	1377-26-55	

Note: # 141.025.1 has groove for Circlip # 141.025.2 does not have groove

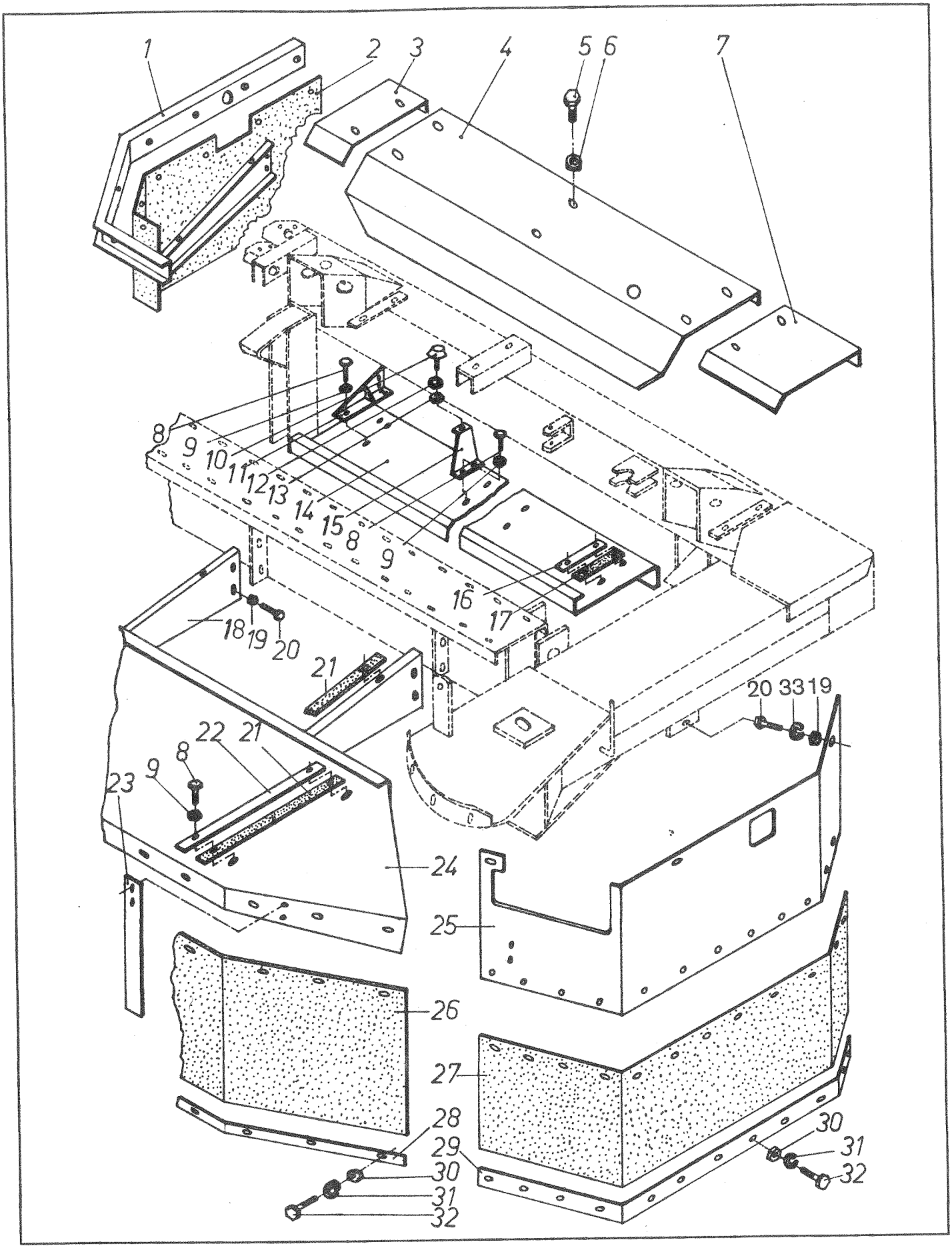
Hydraulikzylinder und Hydraulikleitungen
Hydraulic ram and oillines
TM 4/270 + TM 4/330



Hydraulikzylinder und Hydraulikleitungen
Hydraulic ram and oillines
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Abstreifer AS 35-45-7/10	Scraper AS 35-45-7/10	1473-34-1
2	Nutring NI 300/35-45-10	Seal NI 300/35-45-10	1473-34-2
3	Sprengring A 32	Clip A 32	1473-34-3
4	Zylinderrohr 50 x 4	Cylinder 50 x 4	1473-34-4
5	Kolbenstange 35 x 547	Piston rod 35 x 547	1473-34-5
6	Kopfstück an der Kolbenstange	Headpiece on piston rod	147-34-6
7	Stirnplatte 26 x 45	Plate 26 x 45	1472-34-19
8	Federring B 12	Spring washer B 12	1372-22-27
9	Schraube M 12 x 30	Bolt M 12 x 30	1471-38-3
10	Verschlußschraube M 10 x 1	Bolt M 10 x 1	1473-34-10
11	Dichtring ⌀ 10 x ⌀ 14 x 1,5	Gasket ⌀ 10 x ⌀ 14 x 1,5	1473-34-11
12	Staubmuffe	Dust socket	147-34-9
13	Kupplungsstecker 63-10-21 B 2	Pin 63-10-21 B 2	147-34-10
14	Hydraulikschlauch 3000 mm lang	Hose 3000 mm long	147-34-12
15	Schwenkverschraubung	Elbow connection	147-34-13
16	Überwurfmutter M 18 x 1,5	Union nut M 18 x 1,5	147-34-14
17	Keilring 30055	Olive 30055	147-34-15
18	Hydraulikleitung (12 x 1,5 x ca. 1450 mm)	Hydraulic pipe (12 x 1,5 x ca. 1450 mm)	147-34-16
19	Handgriff für Blockkugelhahn	Knack for shut off cock	1473-34-19
20	Blockkugelhahn NW: 10 komplett	Shut off cock NW: 10 complete	1471-34-18
21	Schottverschraubung QE-12-11	Connection piece QE-12-11	147-34-17
22	Hydraulikleitung (12 x 1,5 x ca. 320 mm)	Hydraulic pipe (12 x 1,5 x ca. 320 mm)	1472-34-20
23	Drosselrückschlagventil (für Amerika)	Throttle (for USA)	1473-34-23
24	Hydraulikrohr für Drosselrückschlagventil	Hydraulic for throttle	1473-34-24
25	Reduzierstück eine Seite 18 x 1,5; andere Seite 3/4" 16 UNF	Reducing fitting one side 18 x 1,5; other side 3/4" 16 UNF	1473-34-25
26	Dichtring für Reduzierstück OR 16 x 2,5	Gasket for reducing fitting OR 16 x 2,5	1473-34-26

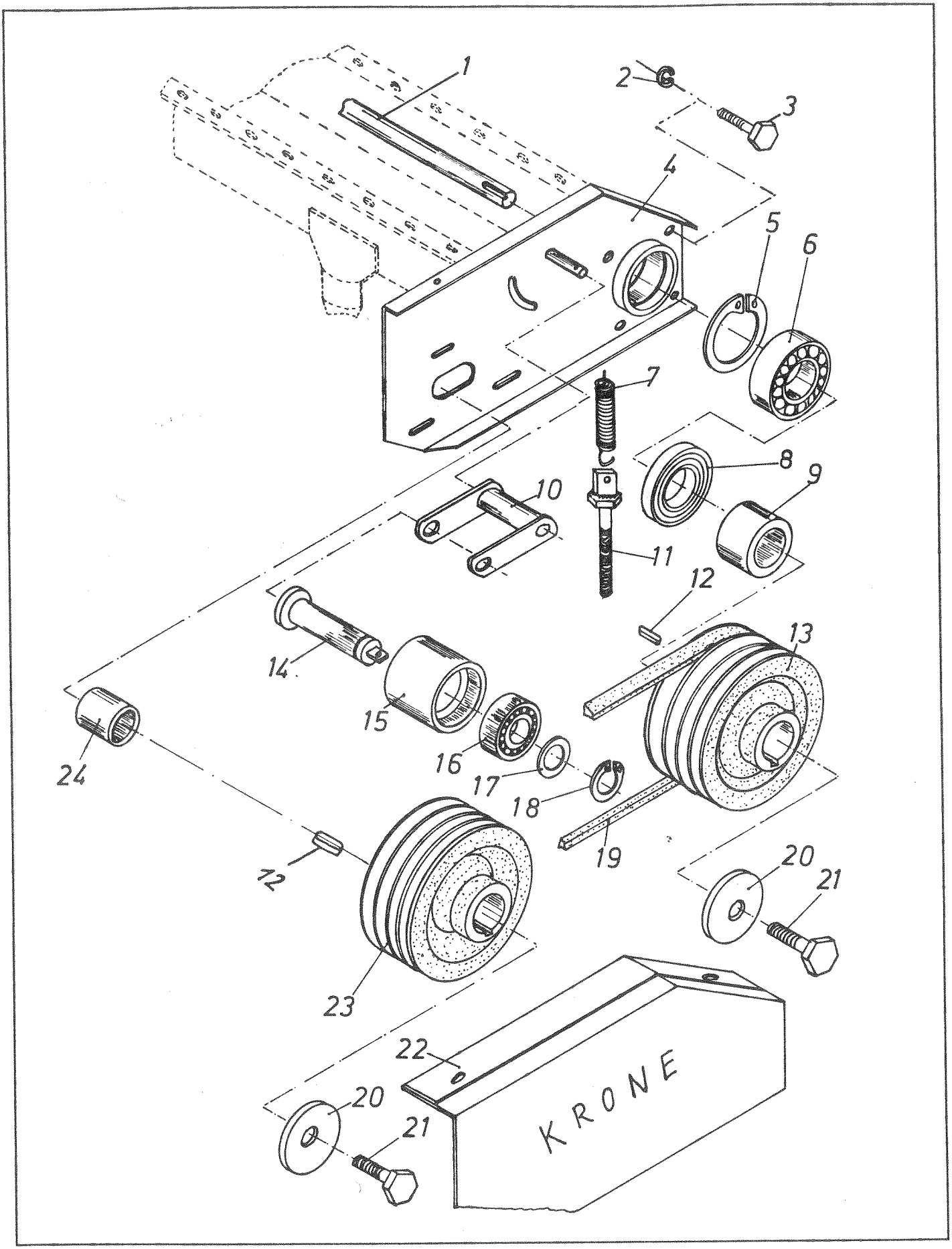
Schutze
Guards
TM 4/270 + TM 4/330



Schutze
Guards
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Schutzbügel für TM 4/270	Rail for TM 4/270	1473-36-1
2	Gummischutz rechts außen 2 x 440 x 1000	Rubber skirt right side outer 2 x 440 x 1000	1472-36-14
3	Schutz für Tragholm rechts 100 breit	Guard for carrier beam right 100 wide	1473-36-3
4	Schutz für Tragholm Mitte (TM 4/270) 265 x 2276	Guard for centre carrier beam (TM 4/270) 265 x 2276	1473-36-4
4a	Schutz für Tragholm Mitte (TM 4/330) 265 x 2657	Guard for centre carrier beam (TM 4/330) 265 x 2657	1473-36-4a
5	Schraube M 10 x 15	Bolt M 10 x 15	1473-36-5
6	Scheibe ⌀ 11 x ⌀ 36 x 2,5	Round plate ⌀ 11 x ⌀ 36 x 2,5	1473-36-6
7	Schutz für Tragholm links 235 breit	Guard for left side carrier beam 235 wide	1473-36-7
8	Schraube M 10 x 30 DIN 933	Bolt M 10 x 30 DIN 933	1471-27-20
9	Mutter M 10 selbstsichernd DIN 980	Self-lockingnut M 10 DIN 980	1473-30-19
10	Gummipuffer ⌀ 50 für Schwadhaube	Rubber stopper for swath hood ⌀ 50	1471-43-16
11	Tropfölhalter für Knickzetter	Bracket for dripoiler for conditioner	1473-36-11
12	Federring B 10 DIN 127	Spring washer B 10 DIN 127	1375-16-20
13	Mutter M 10 DIN 934	Nut M 10 DIN 934	1473-21-32
14	Blechschutz Mitte (TM 4/270) 245 x 2410	Steel guard in the centre (TM 4/270) 245 x 2410	1473-36-14
14a	Blechschutz Mitte (TM 4/330) 245 x 2806	Steel guard in the centre (TM 4/330) 245 x 2806	1473-36-14a
15	Konsole für Gummipuffer	Bracket for rubber stopper	1473-36-15
16	Auflage für Schutz Mitte 30 x 6 x 210	Rest for centre guard 30 x 6 x 210	1473-36-16
17	Gummiauflage 3 x 30 x 210	Rubber rest 3 x 30 x 210	1473-36-17
18	Halterung für Rotorschutz rechtes Teil Lochabstand 320	Bracket for rotory guard right part hole distance 320	1373-26-9
19	Mutter M 12 selbstsichernd DIN 934	Self-locking nut M 12 DIN 934	1473-32-33
20	Schraube M 12 x 25 DIN 933	Bolt M 12 x 25 DIN 933	1372-22-8
21	Gummiauflage vorn 3 x 30 x 400	Rubber rest front 3 x 30 x 400	1473-36-21
22	Auflage für Schutz vorn 30 x 6 x 400	Rest for front guard 30 x 6 x 400	1473-36-22
23	Federblech für Gummi 52 breit x 340	Spring steel for rubber 52 wide x 340	1473-36-23
24	Rotorschutz vorne (TM 4/270) 465 breit	Guard front (TM 4/270) 465 wide	1473-36-24
24a	Rotorschutz vorne (TM 4/330) 480 breit	Guard front (TM 4/330) 480 wide	1473-36-24a
25	Blechschutz seitlich links	Steel guard left side	1471-36-11
26	Gummischutz vorn 2 x 400 x 2970 (TM 4/270)	Rubber guard front 2 x 400 x 2970 (TM 4/270)	147-36-12a
26a	Gummischutz vorn 2 x 400 x 3340 (TM 4/330)	Rubber guard front 2 x 400 x 3340 (TM 4/330)	1473-36-26a
27	Gummischutz seitlich links 2 x 545 x 1440	Rubber guard left side 2 x 545 x 1440	1471-36-13
28	Klemmband 2 x 30 x 2960 (TM 4/270) vorn	Clamping band 2 x 30 x 2960 (TM 4/270) front	1473-36-28
28a	Klemmband 2 x 30 x 3330 (TM 4/330) vorn	Clamping band 2 x 30 x 3330 (TM 4/330) front	1473-36-28a
29	Klemmband seitlich links 2 x 30 x 1383	Clamping band left side 2 x 30 x 1383	1473-36-29
30	Mutter M 6 DIN 934	Nut M 6 DIN 934	1473-25-16
31	Federring B 6 DIN 127	Spring washer B 6 DIN 127	1473-25-17
32	Schraube M 6 x 15 DIN 933	Bolt M 6 x 15 DIN 933	1473-43-7
33	Federring B 12 DIN 127	Spring washer B 12 DIN 127	1372-22-27
34	Kugelfederring C 12,5 DIN 74361	Ball spring race C 12,5 DIN 74361	1377-30-19

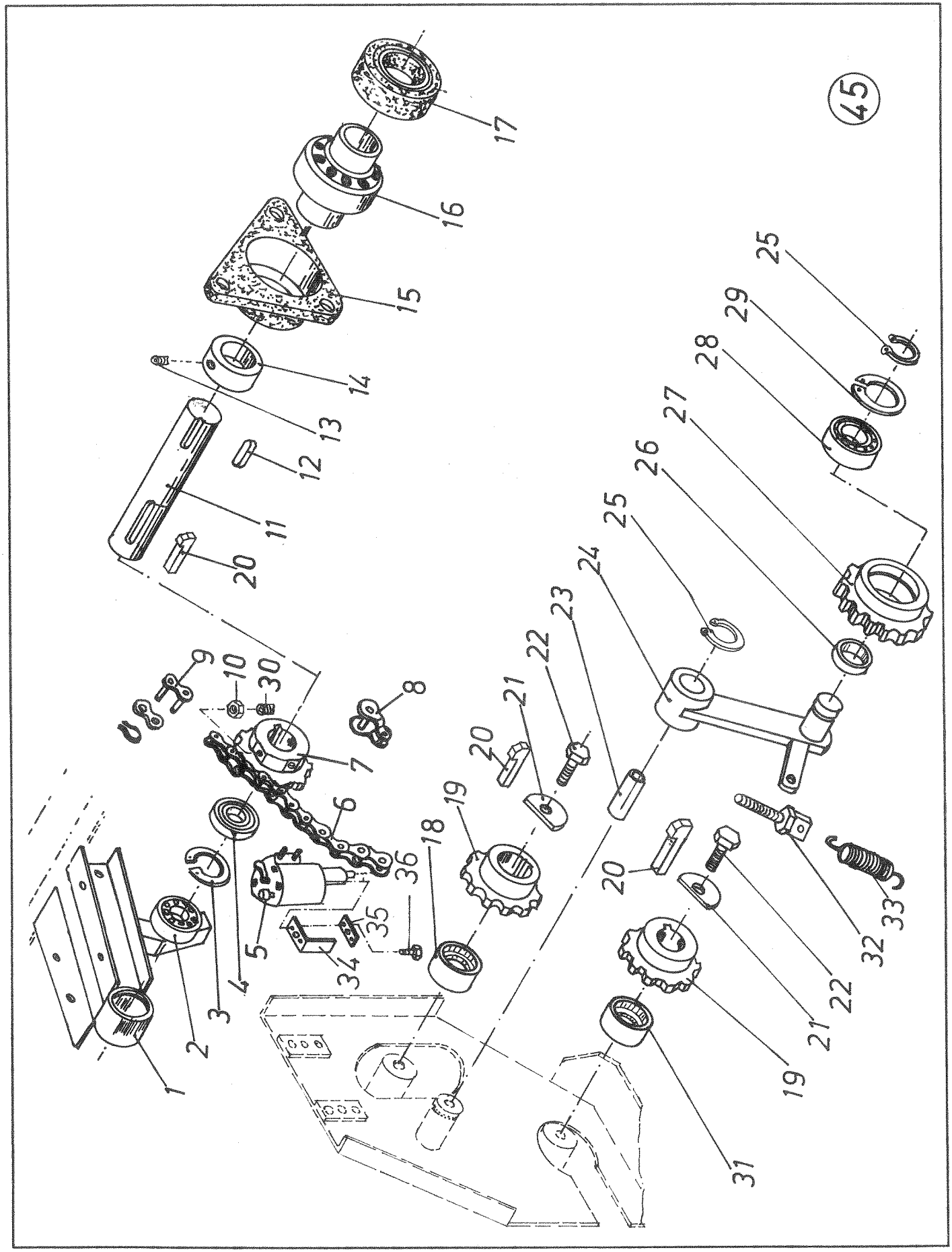
Antrieb Knickzetter
Conditioner drive
TM 4/270 + TM 4/330



Antrieb Knickzetter
Conditioner drive
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Antriebswelle (nur bei TM 4/270 mit Knickzetter) ⌀ 35 x 1490	Drive shaft (only with conditioner TM 4/270) ⌀ 35 x 1490	1471-38-1
1a	Antriebswelle (nur bei TM 4/330 mit Knickzetter) ⌀ 35 x 1754	Drive shaft (only with conditioner TM 4/330) ⌀ 35 x 1754	1473-38-1a
2	Federring B 12 DIN 127	Spring washer B 12 DIN 127	1372-22-27
3	Schraube M 12 x 30	Bolt M 12 x 30	1471-38-3
4	Lagerblech	Bearing housing	1473-38-4
5	Seegerring J 72 x 2,5	Circlip J 72 x 2,5	1372-22-6
6	Kugellager 6207	Ball bearing 6207	1372-32-10
7	Zugfeder ⌀ 4,5 x außen 30,5 x 24 Windungen	Spring ⌀ 4,5 x outer 30,5 x 24	1473-38-7
8	Simmerring ⌀ 45 x ⌀ 72 x 12 B 2 SL	Oil seal ⌀ 45 x ⌀ 72 x 12 B 2 SL	147-32-22
9	Distanzbuchse ⌀ 45 x 20	Spacer bushing ⌀ 45 x 20	147-32-25
10	Keilriemenspannbügel	V-belt tensioner	1473-38-10
11	Spannschraube M 12 x 100	Tensioner bolt M 12 x 100	147-38-11
12	Paßfeder A 10 x 8 x 63	Key A 10 x 8 x 63	147-32-18
13	Keilriemenscheibe außen 149	V-belt pulley outer 149	147-38-13
14	Welle für Keilriemenspanner 30 x 135	Axle for bolt tensioner 30 x 135	1473-38-14
15	Druckrolle für Keilriemenspanner ⌀ 95	Roller for bolt tensioner ⌀ 95	1473-38-15
16	Kugellager 6306 2 RS oder 6306 LLU	Ball bearing 6306 2 RS or 6306 LLU	1471-38-16
17	Scheibe ⌀ 30 x ⌀ 45 x 2	Round plate ⌀ 30 x ⌀ 45 x 2	147-38-17
18	Seegerring A 30 x 1,5	Circlip A 30 x 1,5	57-13
19	Keilriemen (nur Satzweise = 4 Stück) 17 x 1215 LW	V-belt (1 set = 4 belts) 17 x 1215 LW	147-38-19
20	Scheibe ⌀ 13 x ⌀ 70 x 6	Round plate ⌀ 13 x ⌀ 70 x 6	147-27-4
21	Schraube M 12 x 30	Bolt M 12 x 30	1471-38-3
22	Schutzkasten	Guard	1471-38-22
23	Keilriemenscheibe außen 231	V-belt pulley outer 231	147-38-23
24	Distanzbuchse außen 42,5 x 24	Spacer bushing outer 42,5 x 24	1472-38-24

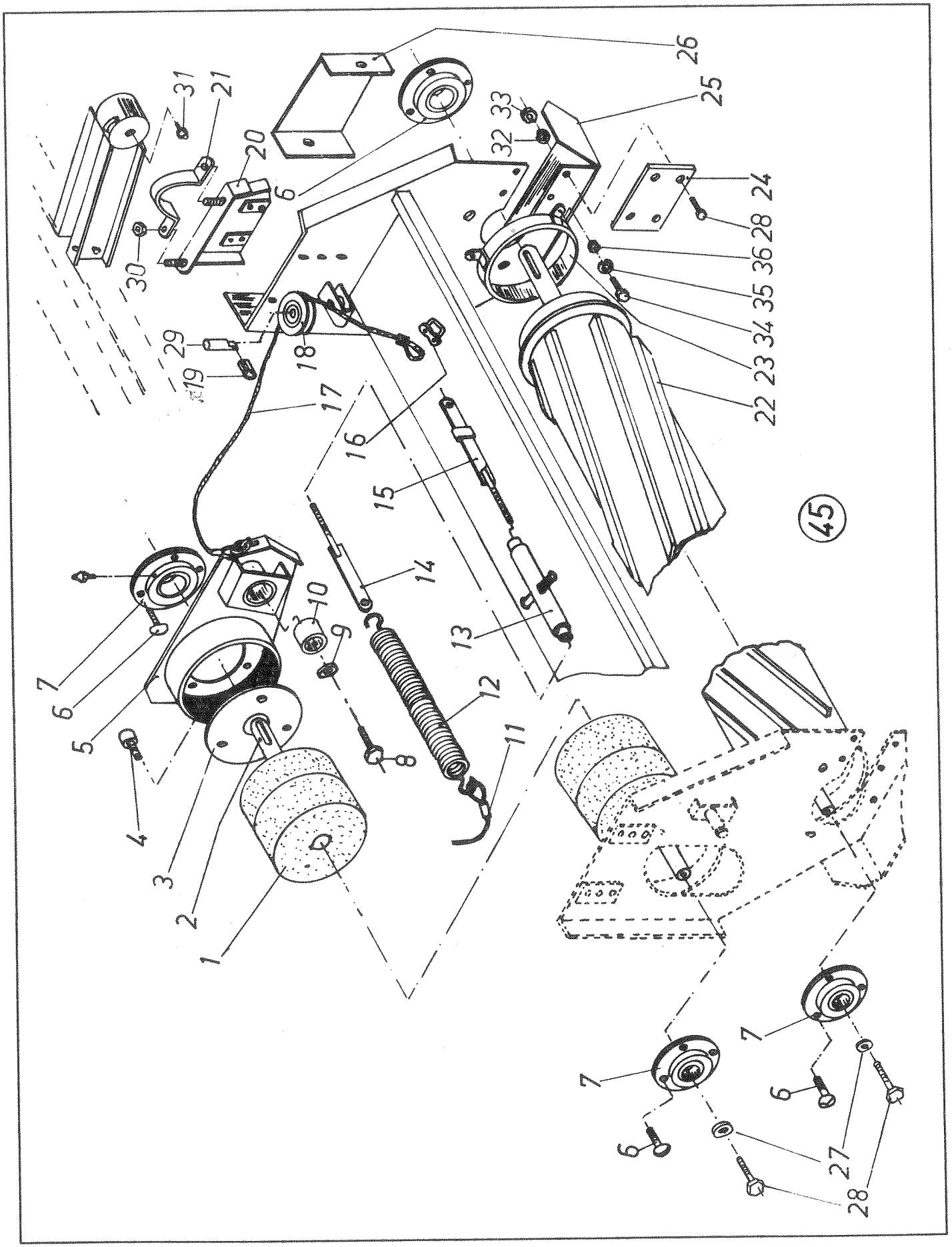
Chain drive on conditioner
TM 4/270 + TM 4/330



Kettenantrieb - Knickzetter
Chain drive on conditioner
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Haltebock rechts mit Lagersitz	Carrier bracket with bearing – right hand side	1473-40-1
1a	Haltebock links ohne Lagersitz	Carrier bracket without bearing – left hand side	1473-40-1a
2	Kugellager 2207	Ball bearing 2207	147-40-12
3	Seegerring J 72 x 25	Circlip J 72 x 25	1372-22-6
4	Simmerring ⌀ 35 x ⌀ 72 x 12	Oil seal ⌀ 35 x ⌀ 72 x 12	57-20
5	Tropföler	Dripoiler	1472-40-5
6	Antriebskette 1″ x 60 Glieder (Renold 110088)	Drive chain 1″ x 60 links (Renold 110088)	1472-40-6
7	Kettenrad 14 Zähne 1″ 35er-Bohrung mit 2 Stellschraubenbohrungen	Sprocket 14 teeth 1″, bore 35 mm with holes for 2 set screws	1474-40-7
8	gekröpftes Glied 1″ (Renold BS 110088)	Stepped link 1″ cpl. (Renold BS 110088)	1472-40-8
9	Verschlußglied 1″ kpl. (Renold BS 110088)	Joining link 1″ cpl. (Renold BS 110088)	1472-40-9
10	Mutter M 10 flach DIN 439	Nut M 10 DIN 439	3452-30-7
11	Antriebswelle 35 x 400	Drive shaft 35 x 400	147-38-25
12	Paßfeder A 10 x 8 x 63	Key A 10 x 8 x 63	147-32-18
13	Stellschraube AM 10 x 8 DIN 916	Set screw AM 10 x 8 DIN 916	1372-22-25
14	Stellring 35 ⌀	Collar 35 ⌀	1372-32-7
15	Dreieckflanschlagergehäuse (3-2-002-0) 35er Lager	Flange housing for bearing (3-2-002-0) 35 mm bearing	3-74-60
16	Pendelkugellager 11307	Selfalinging bearing 11307	3-74-58
17	Gummideckel für Dreieckflanschlager	Rubber seal for flange housing	3-74-59
18	Distanzbuchse ⌀ 35 x ⌀ 46 x ⌀ 55 x 22	Spacer bushing ⌀ 35 x ⌀ 46 x ⌀ 55 x 22	1474-40-18
19	Kettenrad 14 Zähne 1″ ⌀ 35 (ohne Stellschraubenbohrung)	Sprocket 14 teeth 1″ ⌀ 35 (without hole for set screw)	1474-40-19
20	Nasenkeil 10 x 8 x 45	Nose-key 10 x 8 x 45	345-32-46
21	Halbrundscheibe ⌀ 11 x ⌀ 55 x 5	Half-round plate ⌀ 11 x ⌀ 55 x 5	1472-40-21
22	Schraube M 10 x 25 mit Federring	Bolt M 10 x 25 with spring washer	1373-24-31
23	Rotgußbuchse 30 x 36 x 50	Bushing 30 x 36 x 50	147-40-31
24	Kettenspanner	Chain tensioner	1472-40-24
25	Seegerring A 30 x 1,5	Circlip A 30 x 1,5	57-13
26	Distanzbuchse außen 44,5 x 11 breit	Spacer bushing outer 44,5 x 11 wide	147-40-32
27	Kettenrad 12 Zähne 1″	Sprocket 12 teeth 1″	147-40-19
28	Kugellager 6006 2 RS	Ball bearing 6006 2 RS	147-40-21
29	Seegerring J 55 x 2	Circlip J 55 x 2	147-40-20
30	Stellschraube AM 10 x 25 DIN 916	Set screw AM 10 x 25 DIN 916	1474-40-30
31	Distanzbuchse ⌀ 35 x ⌀ 46 x ⌀ 55 x 16	Spacer bushing ⌀ 35 x ⌀ 46 x ⌀ 55 x 16	1474-40-31
32	Spannschraube M 12 x 50	Tensioner bolt M 12 x 50	147-40-11
33	Zugfeder ⌀ 4,5 x außen 30,5 x 24 Windungen	Spring ⌀ 4,5 x outer 30,5 x 24 turns	1473-38-7
34	Ölabweiser	Oil kerb	1473-40-34
35	Sicherung für Ölabweiser	Safety for oil kerb	1473-40-35
36	Schraube M 6 x 10	Bolt M 6 x 10	1473-40-36
(45)	Kettenspanner kpl. Abb. 24–29	Chain adjuster cpl. illustr. 24–29	1474-40-45

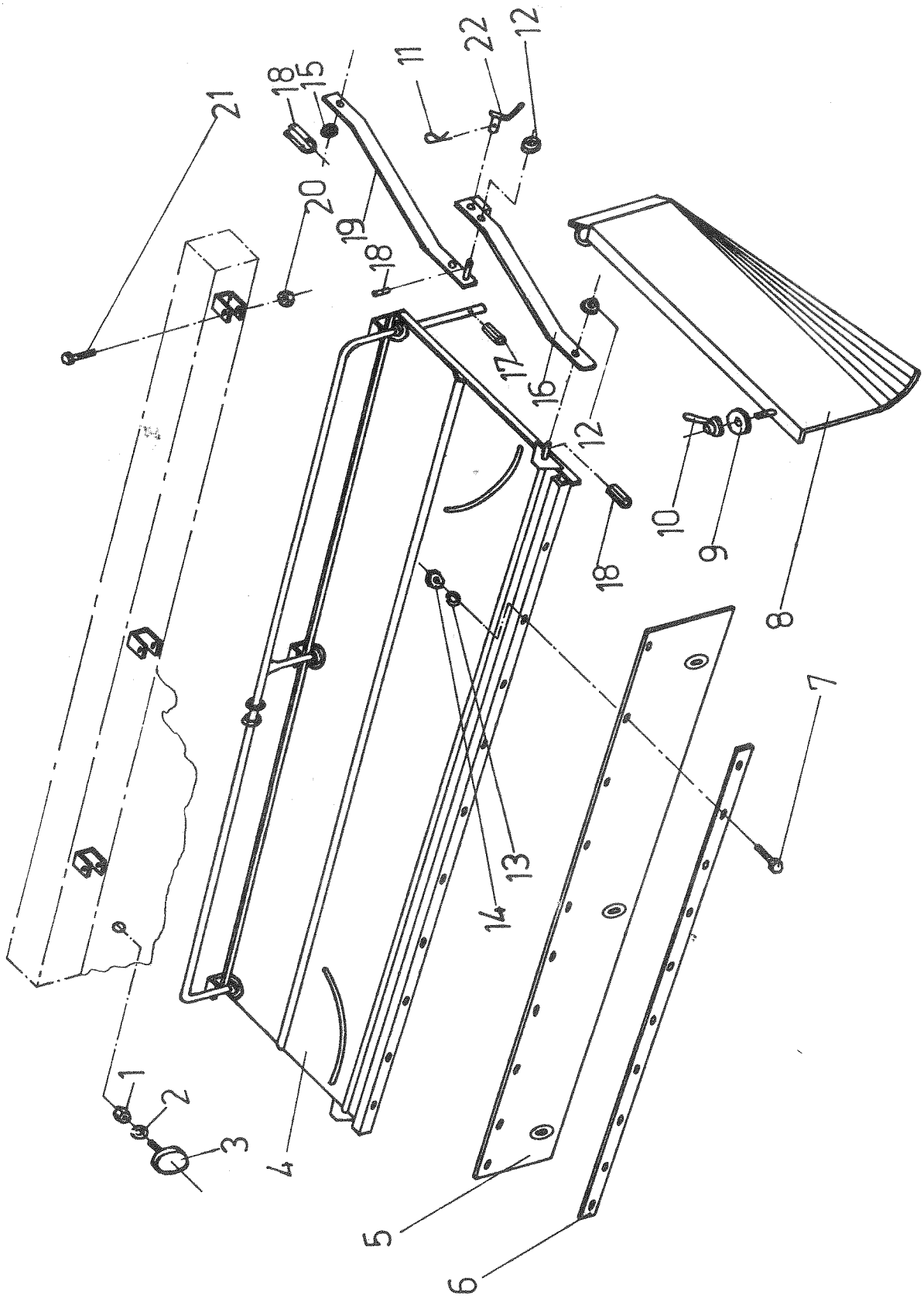
Knickzetter
Conditioner
TM 4/270 + TM 4/330



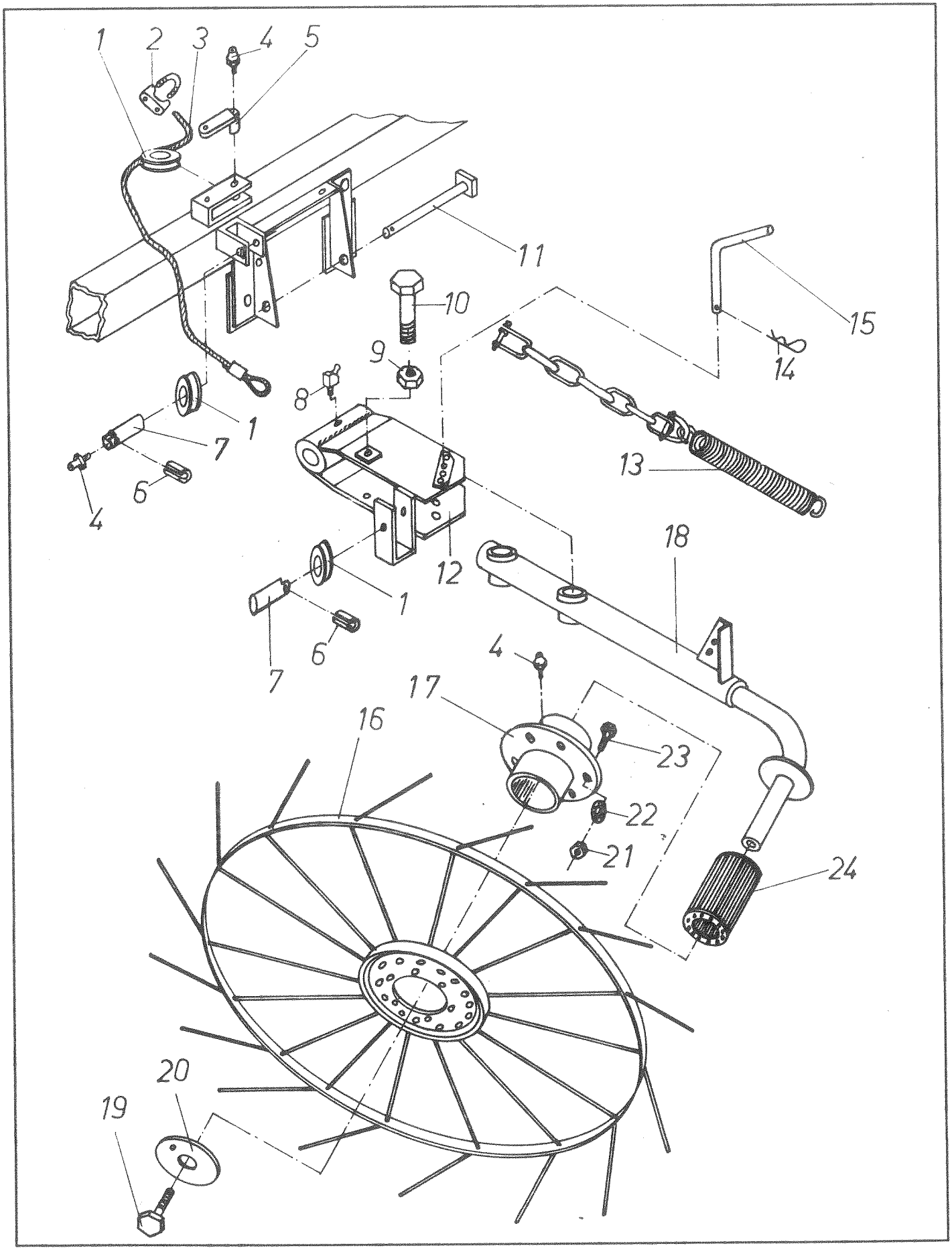
Knickzetter
Conditioner
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Gummirolle für obere Walze (ϕ 169 x 96 je Rolle) übergedreht	Rubber roller section for upper conditioner roller (ϕ 169 x 96) overturned	1471-40-49
2	Gummiwalze kpl. (TM 4/270) mit 16 Einzelrollen	Rubber roller cpl. (TM 4/270) with 16 single rolls	147-40-51
2a	Gummiwalze kpl. (TM 4/330) mit 18 Einzelrollen	Rubber roller cpl. (TM 4/330) with 18 single rolls	1473-42-2a
3	Deckscheibe ϕ 150	Plate ϕ 150	1472-42-3
4	Zylinderschraube DIN 7984 M 10 x 35	Allen screw DIN 7984 M 10 x 35	147-40-2
5	Pendelblech, rechts oder links angeben	Hinges housing, state left or right	1473-40-3
6	Flachrundschraube M 10 x 25 mit Mutter	Flat headed screw M 10 x 25 with nut	147-40-4
7	Blechlager kpl. ϕ 35 AELPF 207 nachschmierbar	Bearing cpl. ϕ 35 AELPF 207	1472-42-7
8	Schraube M 10 x 25 DIN 933	Bolt M 10 x 25 DIN 933	1373-24-31
9	Mutter M 12 selbstsichernd	Selflaking nut M 12	1473-32-33
10	Rotgußbuchse ϕ 30 x ϕ 36 x 30	Bushing ϕ 30 x ϕ 36 x 30	32-28a
11	Drahtseil links 420 mm lang mit Ösen	Cable left 420 mm long with eyes	1472-42-11
12	Zugfeder außen ϕ 77 x 430 mm lang	Spring outer ϕ 77 x 430 mm long	1472-72-12
13	Spannschloß Trapez 20 x 3	Turnbuckle trapezoid 20 x 3	1472-42-13
14	Spannschraube links Trapez 20 x 3	Tensioner bolt left trapezoid 20 x 3	1472-42-14
15	Spannschraube rechts Trapez 20 x 3	Tensioner bolt right trapezoid 20 x 3	1472-42-15
16	Kettenschloßbügel	Clip for joining link	61-1
17	Drahtseil rechts 740 mm lang (TM 4/270) mit Ösen	Cable right 740 mm long (TM 4/270) with eyes	1472-42-17
17a	Drahtseil rechts 1095 mm lang (TM 4/330) mit Ösen	Cable right 1095 mm long (TM 4/330) with eyes	1473-42-17a
18	Seilrolle Guß ϕ 80 außen	Cable pulley cast iron ϕ 80 outer	1473-42-18
19	Spannhülse 5 x 25	Tension pin 5 x 25	3452-42-16
20	Oberteil für Seitenblech sowie Schnitthöhe links oder rechts angeben	Upper part of side plate and cutting height, state left or right	1471-40-6
21	Bügel für Oberteil	Clamp for upper part	1471-40-7
22	Untere Knickwalze (TM 4/270) Rohrlänge 2135	Lower conditioner roller (TM 4/270) tube length 2135	147-40-41a
22a	Untere Knickwalze (TM 4/330) Rohrlänge 2500	Lower conditioner roller (TM 4/330) tube length 2500	1473-42-22a
23	Wickelschutz	Antiwrap guard	147-40-39
24	Blechplatte 5 x 65 x 105	Plate 5 x 65 x 105	147-40-38
25	Rahmen mit Seitenteilen (TM 4/270)	Frame with sides (TM 4/270)	1472-42-25
25a	Rahmen mit Seitenteilen (TM 4/330)	Frame with sides (TM 4/330)	1473-42-25a
26	Schutzkasten (TM 4/270)	Guard (TM 4/270)	1471-40-18
26a	Schutzkasten (TM 4/330)	Guard (TM 4/330)	1472-42a-26a
27	Scheibe ϕ 11 x ϕ 55 x 5	Round plate ϕ 11 x ϕ 55 x 5	1472-40-21
28	Schraube M 12 x 35	Bolt M 12 x 35	1473-32-32
29	Bolzen für Seilrolle ϕ 20 x 48	Pin for cable pulley ϕ 20 x 48	1473-42-29
30	Flachmutter M 12 DIN 439	Flat nut M 12 DIN 439	1473-42-30
31	Schmiernippel H 1 S 9/Sechskant	Grease nipple H 1 S 9/hexagonal	152-42-40
32	Federring B 10 DIN 127	Spring washer B 10 DIN 127	1375-16-20
33	Mutter M 10 DIN 934	Nut M 10 DIN 934	1473-21-32
34	Schraube M 8 x 25	Bolt M 8 x 25	1473-42-34
35	Federring M 8 DIN 127	Spring washer M 8 DIN 127	1473-42-35
36	Mutter M 8 DIN 934	Nut M 8 DIN 934	1473-32-37
(45)	Knickzetter komplett (TM 4/270) Abb. 1–36 und auf Seite 48 Abb. 18–33	Conditioner complete (TM 4/270) illustr. 1–36 and side 48 illustr. 18–33	1472-42a-30
(45a)	Knickzetter komplett (TM 4/330) wie vorher beschrieben	Conditioner complete (TM 4/330) as described above	1473-42-45a

Schwadhaube
Swath hood
TM 4/270 + TM 4/330



Schwadhaube
Swath hood
TM 4/270 + TM 4/330

Abb. Ill.	Bezeichnung	Description	Bestell-Nr. Part Order No.
1	Mutter M 12 DIN 934	Nut M 12 DIN 934	1372-22-26
2	Federring B 12 DIN 127	Spring washer B 12 DIN 127	1372-22-27
3	Gummipuffer Ø 75 x 25 dick	Rubber stopper Ø 75 x 25 thick	1473-43-1
4	Schwadhaube (TM 4/270)	Swath hood (TM 4/270)	1473-43-4
4a	Schwadhaube (TM 4/330)	Swath hood (TM 4/330)	1473-43-4a
5	Abstreifgummi	Scraper rubber	1473-43-5
6	Klemmband	Clamping band	1473-43-6
7	Schraube M 6 x 15 DIN 933	Bolt M 6 x 15 DIN 933	1473-43-7
8	Schwadblech (TM 4/270) links oder rechts	Swath board (TM 4/270) left or right	1473-43-8
8a	Schwadblech (TM 4/330) links oder rechts	Swath board (TM 4/330) left or right	1473-43-8a
9	Scheibe Ø 13 x Ø 70 x 6	Round plate Ø 13 x Ø 70 x 6	1473-43-9
10	Kegelgriff M 12 DIN 99	Cone hold M 12 DIN 99	1473-43-10
11	Federstecker 4 DIN 11024	Spring clip 4 DIN 11024	152-24-5
12	Scheibe Ø 17 x Ø 35 x 2	Round plate Ø 17 x Ø 35 x 2	1473-43-12
13	Federring B 6 DIN 127	Spring washer B 6 DIN 127	1473-25-17
14	Mutter M 6 DIN 934	Nut M 6 DIN 934	1473-25-16
15	Scheibe A 21 x 37 x 3 DIN 125	Round plate A 21 x 37 x 3 DIN 125	1473-43-15
16	kurze Strebe für Schwadhaube	Short stay for swath hood	1473-43-16
17	Spannstift 8 x 40 DIN 1481	Tension pin 8 x 40 DIN 1481	1473-23-42
18	Spannstift 6 x 40 DIN 1481	Tension pin 6 x 40 DIN 1481	1473-43-18
19	lange Strebe für Schwadhaube	Long stay for swath hood	1473-43-19
20	Mutter selbstsichernd M 12	Self-locking nut M 12	1473-32-33
21	Schraube M 12 x 60 DIN 931	Bolt M 12 x 60 DIN 931	1473-43-21
22	Steckbolzen Ø 16 x 30	Pin Ø 16 x 30	1473-43-22
(30)	Schwadhaube kpl. (TM 4/270) Abb. 4-7; 13; 14	Swath hood cpl. (TM 4/270) Illustr. 4-7; 13; 14	1473-43-30
(30a)	Schwadhaube komplett (TM 4/330) Abb. 4a, 5-7, 13, 14	Swath hood complete (TM 4/330) Illustr. 4a, 5-7, 13, 14	1474-43-30a

Einschwadablage
Single swath attachment
TM 4/270 + 4/330