

For the professional user

Operating Instructions

Für den professionellen Anwender

Betriebsanleitung

Class: 441-1 **Ausf. 1**
Klasse: 441-2 **Ausf. 2**

Dated:
Stand:

The sign of quality



You find the Strobel trademark on every Strobel machine leaving our works. And with good reason. This symbol is a guarantee of the high quality of our products. Quality which creates trust – trust in our technology, our service and, not least of all, in our good name.

Im Zeichen der Qualität

Sie finden die Strobel-Schutzmarke auf jeder Strobel-Maschine, die unser Werk verlässt. Und das aus gutem Grund. Denn dieses Zeichen garantiert Ihnen die hohe Qualität unserer Produkte. Qualität, die Vertrauen schafft – in unsere Technik, unseren Service und nicht zuletzt in unseren guten Namen.

Strobel clients know that they can expect a particularly high standard of performance from our company and our machines. Now you have settled for one of our products. For us this is a source of encouragement and of obligation to Justify your trust.

If you wish to profit from the performance and efficiency of your Strobel machine as long as possible, exact handling and thorough care is necessary. For this reason we kindly request that you read the operating instructions closely. It provides all the information you need for trouble free operation.

And if you do happen to need a spare part the enclosed spare parts list gives a complete overview. It is clearly classified according to components so that you can find the required part quickly and easily. In order to avoid errors we request you to quote machine class, machine number and part number completely on your spare part order.

We wish you lots of success in your work with your new Strobel machine.

Garantiekarte/ Warranty Sheet

Maschinenklasse/ Machine Class: _____

Serien-Nr./ Serial No: _____

Auftrags-Nr./ Order Confirmation No: _____

Lieferdatum/ Delivery Date: _____

Rechnungs-Nr./ Invoice No: _____

Rechnungsdatum/ Invoice Date: _____

Beanstandung/ Complaint: _____

Datum/ Date

Unterschrift/ Signature

Bitte nicht vom Kunden ausfüllen! To be filled out by Strobel:

	Datum	Bemerkung
EXA:		
ETA:		
PROD:		
EXA:		
BH:		

Operating Instructions STROBEL Class 441-1 and 441-2

Contents

1	General notes on safety	5
2	General notes.....	7
2.1	Operating instructions.....	7
2.2	Class designations, machine number and initial basis for descriptions.....	7
2.3	Applications of the machine use as intended	7
2.4	Technical data	8
3	Setup and commissioning	9
3.1	Unpacking the machine	9
3.2	Setting up the machine.....	9
3.3	Direction of rotation on machine (Fig. 3).....	11
3.4	Motor drive using V-belt or toothed belt.....	11
3.4.1	Tension of V-belt.....	11
3.4.2	Tension of the toothed belt (Fig. 2)	12
3.4.3	Machine positions	13
3.5	Oil drain pipe (Fig. 9, Fig. 7, Fig. 8)	16
3.6	Initial oil filling	18
4	Notes on usage	19
4.1	Needles and threads	19
4.1.1	Processing instructions	19
4.1.1.1	Processing with gathering device.....	20
4.2	Pneumatic gathering device (P-EV) (optional).....	22
4.2.1	Swivelling down the pneumatic gathering device (P-EV)	22
4.2.2	Gathering of class 441-2.....	22
4.3	Inserting the needle (Fig. 13).....	24
4.4	Threading and thread routing	25
4.5	Thread tension (Fig. 14)	25
4.6	Setting the stitch length (Fig. 15).....	26
4.7	Sewing drive	27
5	Maintenance of the machine (Fig. 17).....	28
6	Variable sewing tools	30
7	Optional features.....	34
7.1	Thread trimmer	34
7.2	Pneumatic gathering device (only cl. 441-2).....	34
7.3	Thread trimmer and pneumatic gathering device (only cl. 441-2).....	34
7.4	Knee button and operating control (only cl. 441-2).....	34

Subject to change without prior notice

1 **General notes on safety**

Every person in charge of setting up, operating, servicing and repairing the machine must first read and understand the operating instructions and particularly the safety instructions before starting up the machine.

Failure to comply with the following safety instructions can lead to bodily injury or damage to the machine.

1. The machine must only be operated by persons familiar with the relevant operating instructions and who have been instructed accordingly.
2. Before commissioning also read the notes on safety and the operating instructions of the sewing drive manufacturer.
3. Only use the machine in the intended manner and never without the provided guards. Always observe the pertinent safety regulations.
4. Switch off the main switch or pull the power plug for threading, changing the reels, exchanging sewing tools such as needle, gripper, needle plate, transport devices, possibly cutter and cutting block, for cleaning and when leaving the workplace as well as for maintenance.
5. General maintenance tasks may be carried out only by properly trained persons in accordance with the operating instructions.
6. Repair work, retrofitting and maintenance may be carried out only by technicians or specially trained personnel.
7. When servicing or repairing pneumatic equipment, the machine must be disconnected from the pneumatic supply. Exceptions are only allowed for adjustment work and tests of functionality performed by specially trained technicians.
8. Only specially qualified technicians may work on the electrical equipment.
9. It is forbidden to work on electrically live components! Exemptions are covered by the EN50110 (DIN VDE0105) regulations.
10. Any retrofitting or alterations to the machine may only be performed under strict compliance with all pertinent safety regulations.
11. Only use our approved spare parts when servicing and/or repairing the machine.
12. It is forbidden to operate the sewing head until it is determined that the entire sewing unit complies with EU provisions.
13. It is essential that you observe and follow these instructions as well as the generally valid safety regulations.

14. Warning instructions given in the operating instructions that pertain to especially dangerous parts of the machine must be indicated at these positions using a safety symbol.



Warning instructions given in the operating instructions that pertain to special injury hazards for operating personnel or technicians must be indicated at these positions using a safety symbol.



2 General notes

2.1 Operating instructions

Every person in charge of setting up, operating, servicing and repairing the machine must first read and understand the operating instructions and particularly the safety instructions before starting up the machine.

2.2 Class designations, machine number and initial basis for descriptions

The operating side of the machine is the initial basis for left/right descriptions. The class type, machine and model number (after the dash) is attached in the back of the housing.

2.3 Applications of the machine use as intended

Class 441-1

Single Thread Overseaming Machine with gathering device for attaching soles to shoes made of heavy textile material and leather up to a total thickness of 7 mm.

Class 441-2

Single Thread Overseaming Machine for attaching soles to shoes made of heavy textile material and leather up to a total thickness of 7 mm, with differential drive.

2.4 Technical data

Recommended nominal stitch number	1800 min ⁻¹
Belt pulley diameter/machine	dw 80
V-belt profile	10 x 6 mm
Stitch length	3 – 8 mm (depends on sewing material)
Stitch type	single-thread overcast stitch
Stitch type	501
Needle system	GROZ-BECKERT 134
Needle thickness	140
Thread	polyester, continuously twined
Thread thickness	40
Transport type	rear plate transport
Pneumatic connection	6 bar
Air consumption, average	depends on equipment
Equipment footprint	0.6 x 1.06 m
Operating noise:	
Averaged measuring surface sound pressure level at stitch number n 1800 min ⁻¹	Cl. 441-1 LpAm 71 dB Cl. 441-2 LpAm 76.1 dB Noise levels in acc. with DIN 45635-48-1 KL3

3 Setup and commissioning


3.1 Unpacking the machine

Strobel machines are delivered either complete, as upper part with motor or only as upper part.

The twine stand, gear rods and other machine accessories can also be found in the packaging.

Before removing the packaging material, you must carefully check whether all of the accessory components have been unpacked.

3.2 Setting up the machine

	<p>CAUTION! Injury hazard!</p> <p>Entanglement hazard for clothing or hair as well as danger of finger injuries!</p> <p>Never operate the machine without the belt cover for the upper part and motor.</p>
---	---

Caution: Screw the oil drain pipe (4) to the cover (1) before placing the upper part on the tabletop. (Fig. 7) (See chapter “3.5 Oil drain pipe”)

If the stand is not also supplied by us, but the machine is placed on a different stand, then the tabletop needs to be prepared as shown in the tabletop drawing and the ventilator gear rods and the actuation gear rods for the motor need to be mounted.

The belt cover has to be assembled after mounting the V-belt.
Mount the V-belt and tension according to point “3.4.1 Tension of V-belt”.
Attach belt cover.

If the upper part is delivered with attached compact motor, the control box and the set-point adjuster has to be mounted underneath the tabletop. Additionally the actuation gear rods need to be mounted between set-point adjuster and pedal.

Check that all screws on the stand are firmly installed and retighten if necessary.

Install the position generator and set according to point “3.4.3 Machine positions”.



CAUTION!

Before starting the machine, check that the electrical specifications given on the type plate of the motor, in particular the network voltage and frequency, are appropriate for your electric system and that all other connection values, e.g. for air, comply with the values specified on the machine and in the operating instructions.

Any anti-rust substances, such as vaseline or similar, must be carefully wiped from the machine and especially from the sewing tools before starting up the machine.

3.3 Direction of rotation on machine (Fig. 3)

When facing the handwheel, turn it in a clockwise direction.

3.4 Motor drive using V-belt or toothed belt

3.4.1 Tension of V-belt



CAUTION! Injury hazard!

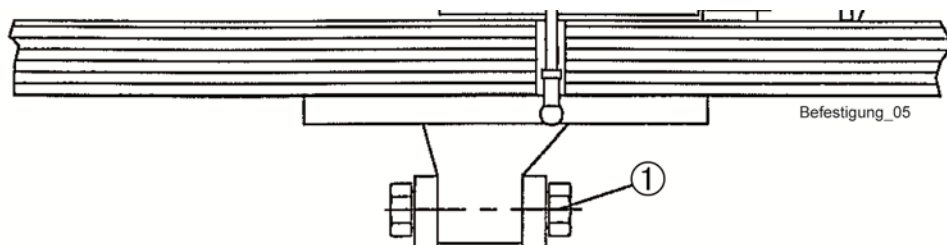
Switch off the machine electrically to test the belt tension. Do not run the machine without belt cover. Otherwise there is a DANGER of fingers getting crushed, bodily injuries and entanglement of clothing.

The tensioning of the V-belt is done by swivelling the motor under the tabletop after loosening the fastening nut with SW 24 (1) in Fig. 1.

The V-belt must not be tensioned too much, in particular on the stop motor. It should be possible to deflect it by about 2 cm when you press it lightly with your thumb.

A too loose V-belt tension can be worsen the positioning of the machine and thus be detrimental to the function sequence.

Fig. 1



3.4.2 Tension of the toothed belt (Fig. 2)



CAUTION! Injury hazard!

To check the tension of the toothed belt, switch off the machine electrically and depress the motor switch pedal to make sure that the machine is truly switched off.

Never operate the machine without the belt cover for the motor.

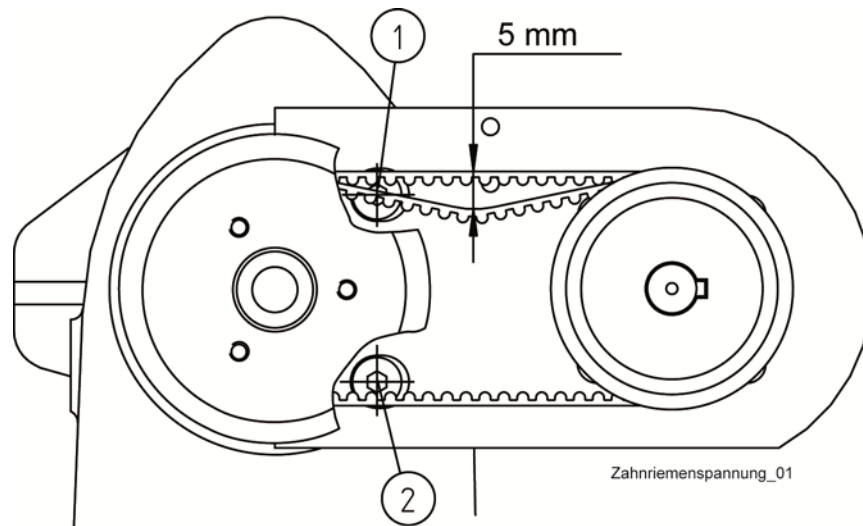
The toothed belt must not be tensioned too much. You should be able to depress it easily with your thumb by about 5 mm.

Too little or too great tooth-belt tension can be bad for the machine's positioning and thus impair the function sequence.

Tension the tooth-belt (Fig. 2):

- Loosen the upper and lower fastening screws (1), (2) on the machine upper part.
- Pull motor out a little and slightly tighten the lower fastening screw (2).
- Tension the toothed belt by swivelling the motor.
- Retighten top and bottom fastening screw (1), (2).

Fig. 2



3.4.3 Machine positions



CAUTION! Injury hazard!

When setting the position generator and testing the position while the machine is on, keep fingers and hands away from all moving parts, otherwise there is **DANGER** of fingers getting crushed, bodily injuries, needle punctures and entanglement of clothing.

(See also instructions of the motor manufacturer)

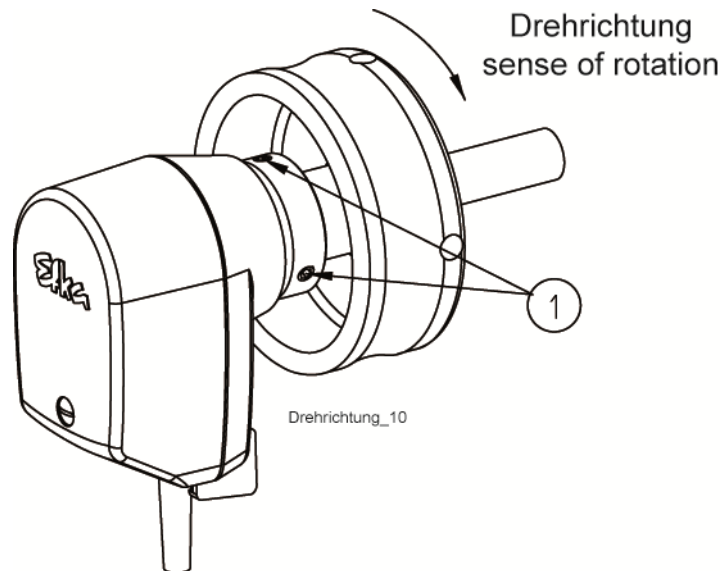
General:

The stop motors require a position generator that detects the mechanical position of the machine at the main shaft and sends it to the motor's control. (Fig. 3)

The proper position of the position generator to the flange is marked on complete machines with a spot of paint.

To adjust or remove, loosen the two clamping screws (1) Fig. 3. Retighten them well before restarting.

Fig. 3



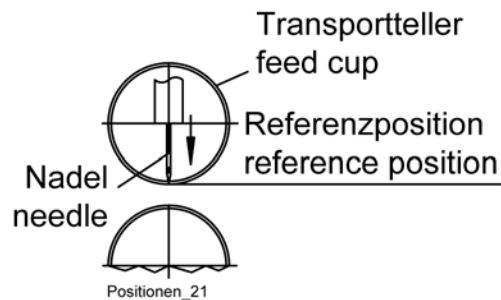
Machines with or without gathering device:

The machine requires two needle positions and, depending on sewing drive, possibly also a reference position.

Reference position (Fig. 4):

The reference position needs to be set so that the point of the needle concludes with the outer plate edge in the direction of the piercing.

Fig. 4

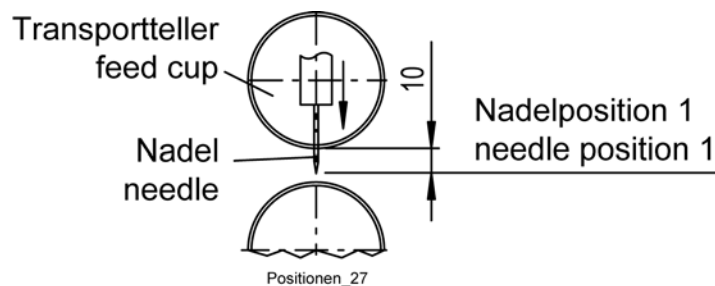


Needle position (when stop inside the stitch with pedal position "0" (Fig. 5)):

The needle position needs to be set so that the distance between the outer plate edge in the direction of the piercing and the point of the needle is about 10 mm.

The needle position is position 2 at the sewing drive.

Fig. 5

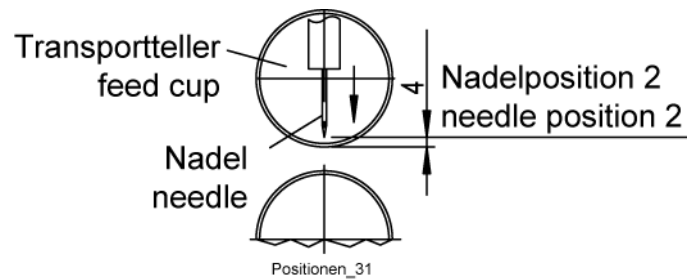


Needle position (when stop outside the stitch with pedal position “-2” (Fig. 6)):

The needle position needs to be set so that the distance between the point of the needle in the direction of the piercing and outer plate edge is about 4 mm.

The needle position is position 2 at the sewing drive.

Fig. 6



3.5 Oil drain pipe (Fig. 9, Fig. 7, Fig. 8)

To make servicing the machine easier, an oil drain pipe (4) has been installed at the stand or under the lower cover, which goes through the borehole of the tabletop. Thus it is possible to drain the old oil during an oil change without having to dismantle the machine upper part. (Fig. 8)

The oil drain pipe (4) is sealed by the (5) sealing ring and the screw (6). (Fig. 8)

For the machine assembly and for shipment, the thread bores in the cover (1) are sealed by sealing ring (2) and screw (3) as well as 3 sealing rings (4) and screws (5) each. (Fig. 7)

Before placing the upper part onto the tabletop, screws (6) and (3) need to be screwed out along with the sealing washers and the oil drain pipe needs to be screwed on and sealed with sealing washer (1). (Fig. 8)

To drain the old oil, screw out only screw (6) after having placed a container underneath. After draining the oil, the oil drain pipe is screwed shut again, oil-tight. (Fig. 8)

Dispose of old oil properly!



CAUTION! Injury hazard!

Read the safety and operating instructions before performing maintenance and/or repair work. Failure to comply with them can cause severe bodily injury.

After the old oil has been removed, the machine needs to be rinsed well with petroleum before filling in new oil.

When taking out the oil catch lid (3), the oil hose (1) for the automatic oiling is removed as well, which is routed from the oil pump (2) through the oil catch lid (3) and supplies the channels of the oil catch lid (3) with oil. (Fig. 9)

The re-insertion of the oil catch lid is described under "3.6 Initial oil filling" and needs to be observed.

Before putting into operation, make sure that all safeguard (such as covers, belt cover, etc.) are fully effective and that all screws are tight.

Fig. 7

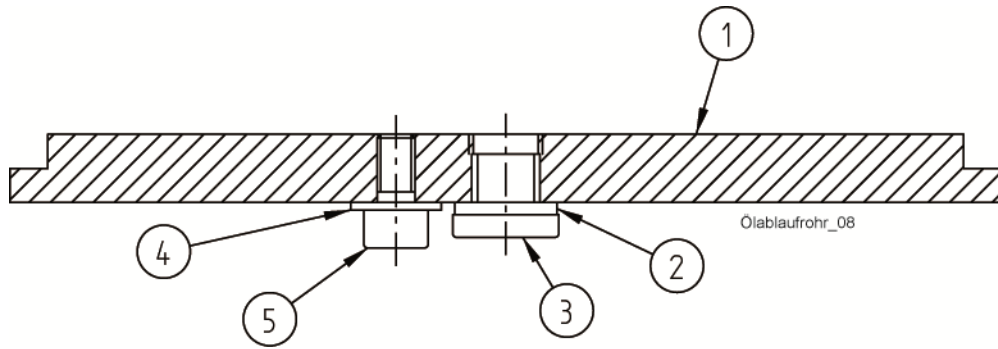
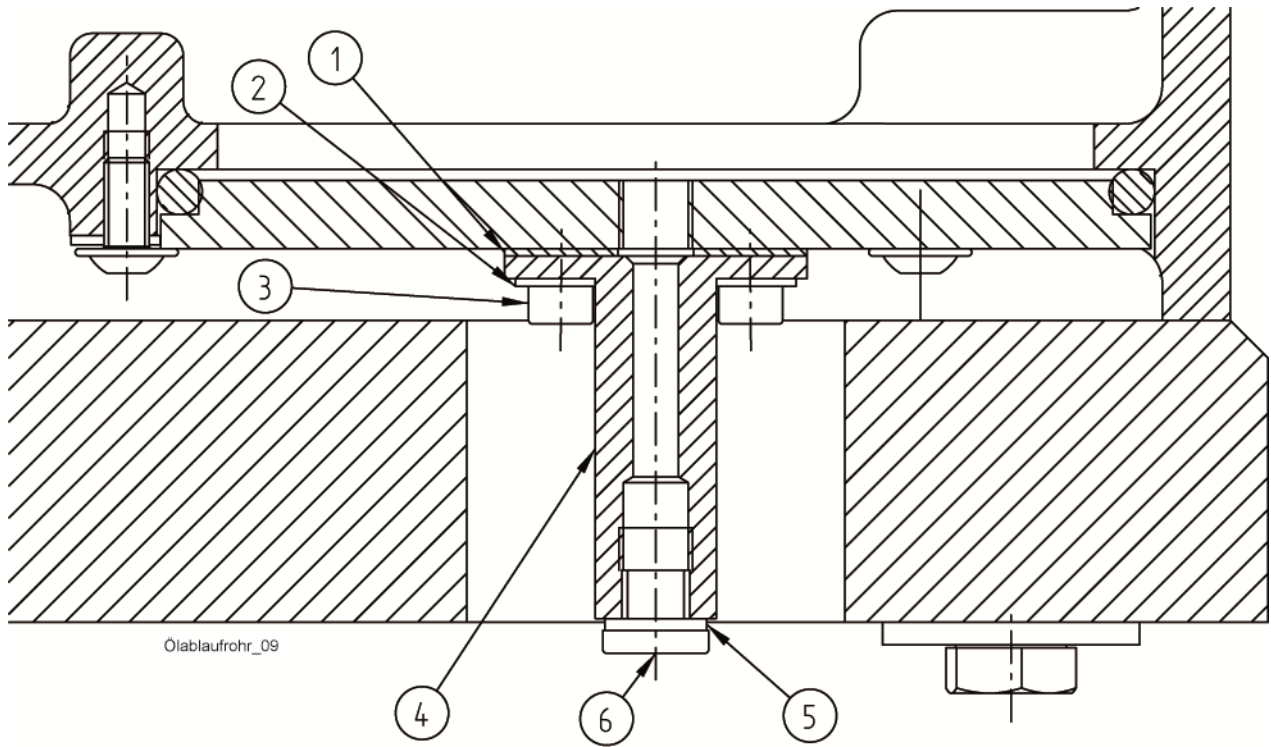


Fig. 8



3.6 Initial oil filling

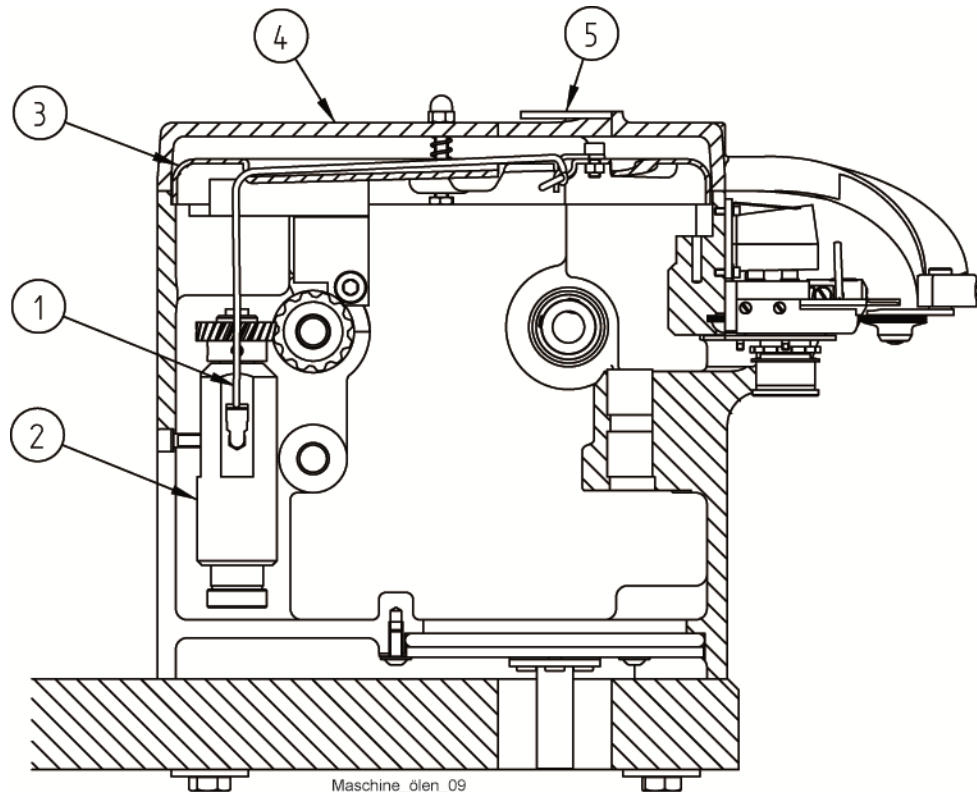
The supplied original STROBEL oil is filled in from above after lifting off the outer and inner machine lid.

To lift off the oil catch lid (3), the oil hose (1), which is plugged in the oil pump (2), needs to be pulled out first. (Fig. 9)

Please note that the supplied STROBEL special machine oil (viscosity 46 c St) must also always be used in the future.

The individual oiling points of the machine are supplied fully automatically; the machine needs no maintenance in this regard. (See also chapter "5 Maintenance of the machine")

Fig. 9



When re-inserting the oil catch lid (3), **be especially sure** that the oil hose (1) is inserted correctly into the oil catch lid (3). (Fig. 9). **If this is not done properly, the automatic oiling is ineffective and serious damage to the machine may occur due to shafts jamming in the bearings, etc.**

That is why these instructions must be followed carefully. Every time new oil is filled in, check at the inspection glass (5) of the cover (4) whether the automatic oiling is functioning properly by having the machine run briefly.

4 Notes on usage

4.1 Needles and threads

The sewing quality can be improved by using the most favourable needles and threads for the respective sewing material to be produced.
Only use approved GROZ-BECKERT needle system 134.
The machine is delivered with needles of size 140.

Note: An intact needle is very important for ensuring good quality stitches. Bent needle points, which may only be visible under a magnifying glass, will lead to poorer sewing results.
Replace your needles in time!

We recommend using continuously twined polyester threads of thickness 40. Due to their high strength and good sliding behaviour at a small thread size, they are preferable to spun thread.

Note: When assembling fixed parts, note that occasionally there is a gumming up of the eye of the needle that can cause interfere with the loop formation.



G u a r a n t e e n o t e !

This machine has been configured and broken in using **original GROZ-BECKERT needles**.
No guarantees can be given when the machine is readjusted for the use of different needles.

4.1.1 Processing instructions

With class 441-1, the insole is sewed to the vamp; layer thicknesses of up to 7 mm may be processed here with softer materials.

4.1.1.1 Processing with gathering device

With class 441-1, the insole is sewed to the shoe vamp. A gathering device facilitates the maintaining of the extended sizes of the vamp tips on vulcanized as well as light leather shoes. It reliably affects a completely cordless stitch and the complete covering during subsequent vulcanization in the press.

The gathering device (EV) (1) is actuated by the left pedal so that when the pedal is pressed forward, the lever with the material guide (2) (Fig. 10) of the gathering device (1) is swivelled between the transport plates (5) by the rods (3) and pivot arm (4). When the pedal is pressed back, the EV (1) is swivelled upwards. To swivel the EV (1) up or down, the pressure plate needs lifted first by the knee lever (6).

The extended sizes occurring on various types of shoes can be processed uniformly by the EV. The sewer swivels the EV down at a marking previously specified at the vamp and sole. (Fig. 11).

To make handling and gripping times significantly easier and shorter, it is recommended to equip the machines with the gathering device – if this has not been carried out already – with a stop motor with two needle positions:

1st position = Needle position front,
2nd position = Needle position rear.

The 1st needle position is important during the swivelling down of the material guide (2) so that the shoe can be held in the same stitch position as the transport plates are lifted; die 1st position also belongs to the threading.

The 2nd needle position belongs to the inserting and removal of the material.

Operation of the machine is done as follows (see also Fig. 10):

1. Right pedal : Motor
2. Left pedal : Gathering device
3. Knee lever, right : Lifting the machine off

The knurled screw (7) is used to set how far the material guide (2) should swivel down into the material. Once the desired swivel width has been set, counter it with the knurled nut (8). (Fig. 10)

Fig. 10

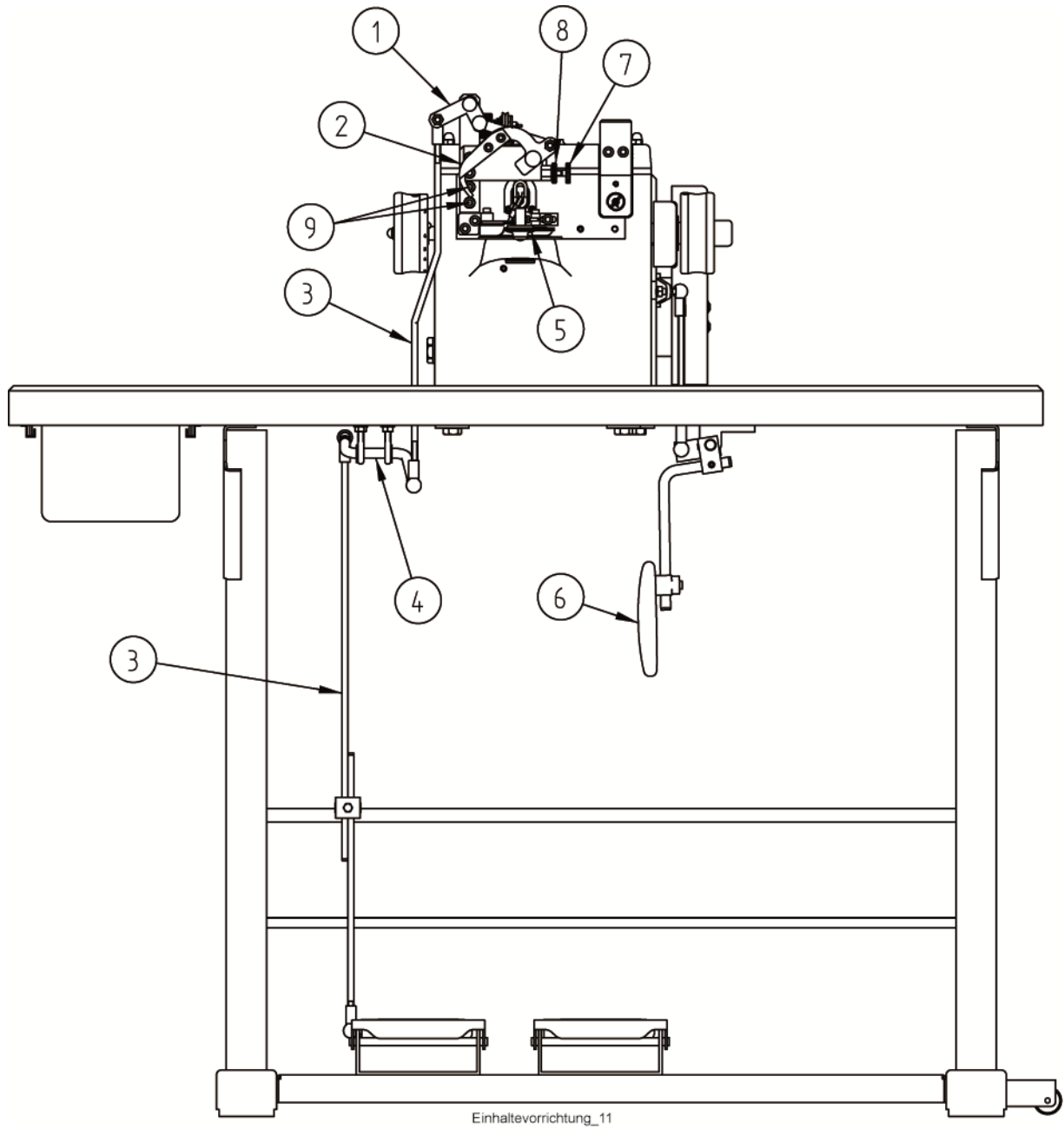
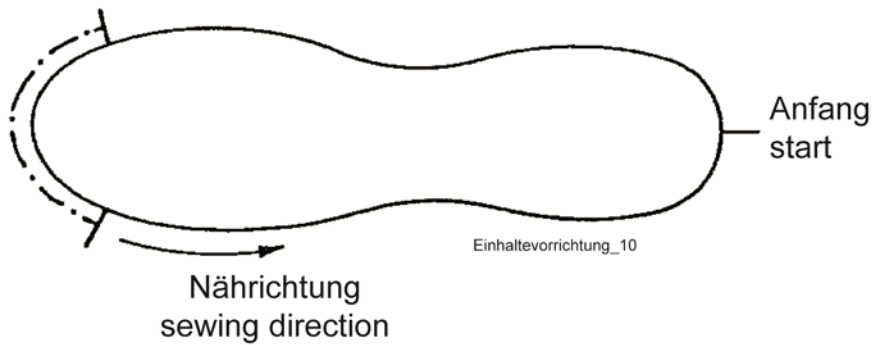


Fig. 11

In diesem Bereich
EV einschwenken
swivel down the
gathering device
in this range



4.2 Pneumatic gathering device (P-EV) (optional)

4.2.1 Swivelling down the pneumatic gathering device (P-EV)

Before swivelling down the P-EV, the knee lever (1) needs to be pressed by the right knee so that the front arm lifts; only then can the left pedal (2) be pressed back and the separating plate (3) is swivelled down. The swivelling down of the separating plate (3) can be adjusted by a throttle (4). Swivelling up is done in reverse order and without a throttle. (Fig. 12)

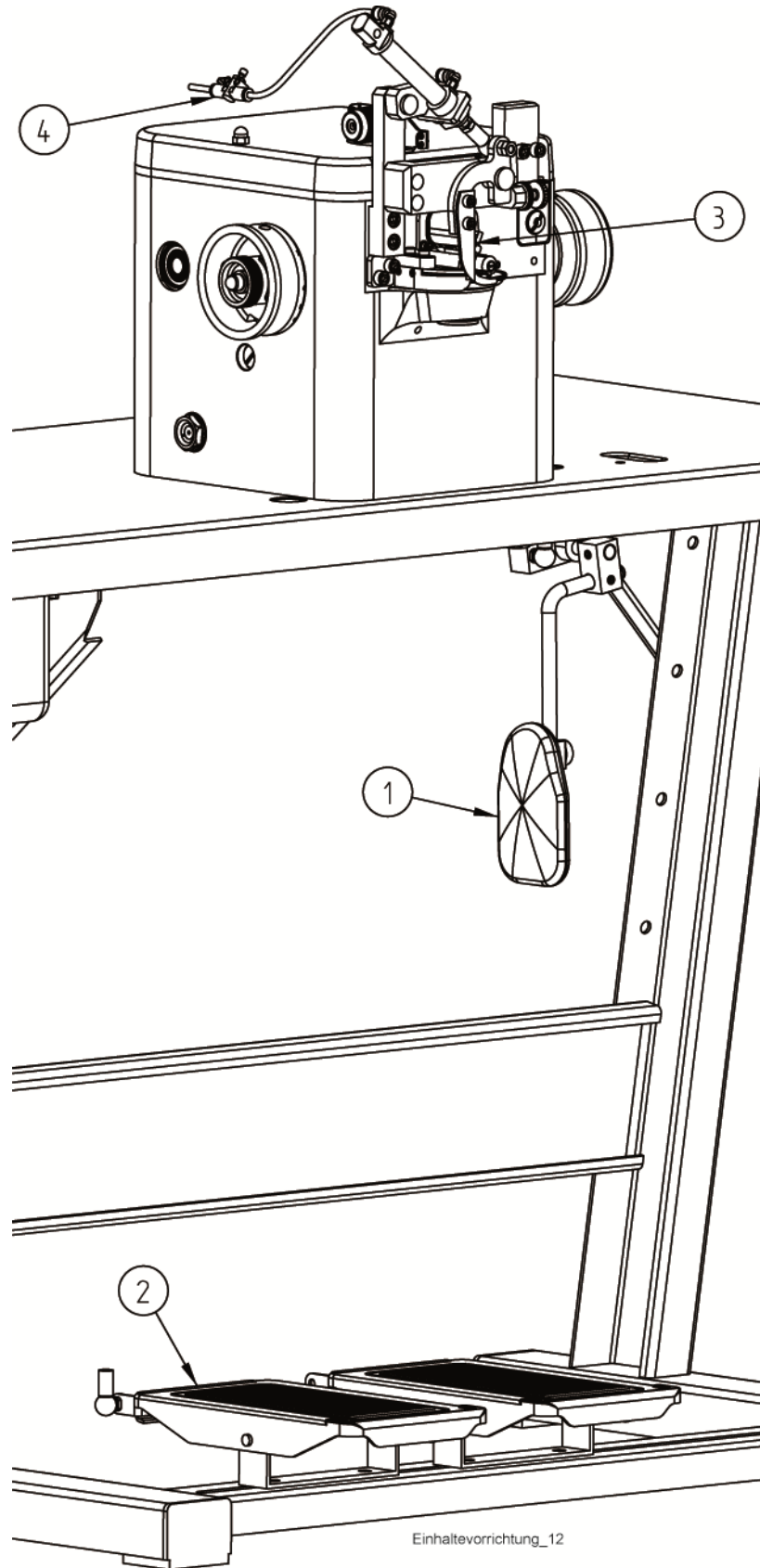
4.2.2 Gathering of class 441-2

This machine can be equipped with a differential drive which runs synchronously and can reduce infinitely adjustable by up to 50 % by the left pedal (press forward).

Additionally the optional pneumatic gathering device can also be swivelled down (point "4.2.1 Swivelling down the pneumatic gathering device (P-EV)").

Which reduction is needed for gathering is needed has to be determined by testing the various materials to be processed and their different characteristics.

Fig. 12



4.3 Inserting the needle (Fig. 13)

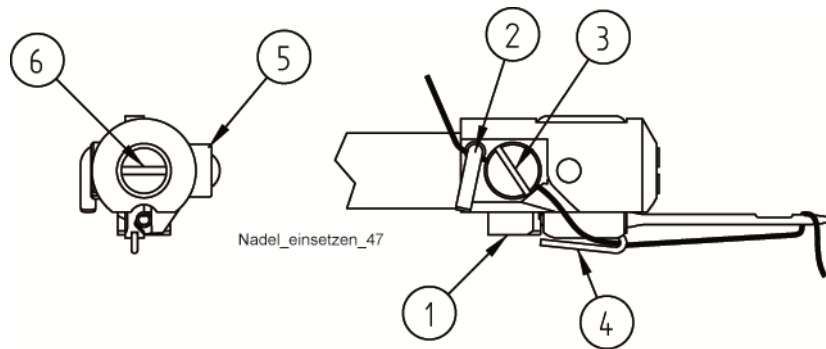


CAUTION! Injury hazard!

Before replacing the needle, switch off the machine electrically and depress the motor switch pedal to make sure that the machine is truly switched off. Otherwise there is a hazard of injuries by crushing and needle punctures.

The needle is fed in downwards with the long groove and pushed back until it contacts the stud (1). Then the needle is clamped tight with the screw (5).

Fig. 13



4.4 Threading and thread routing

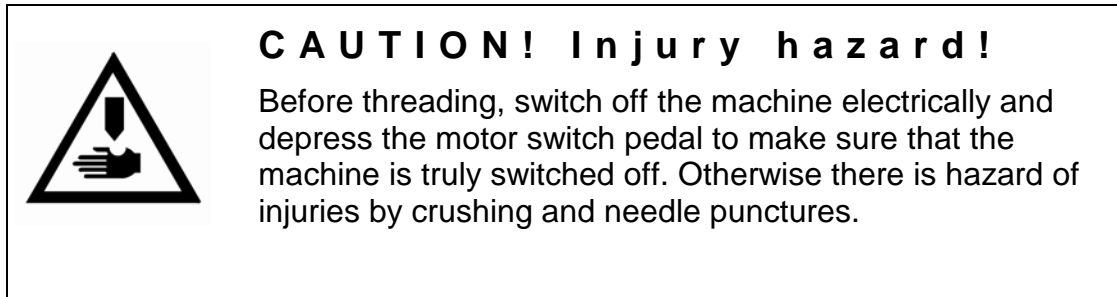
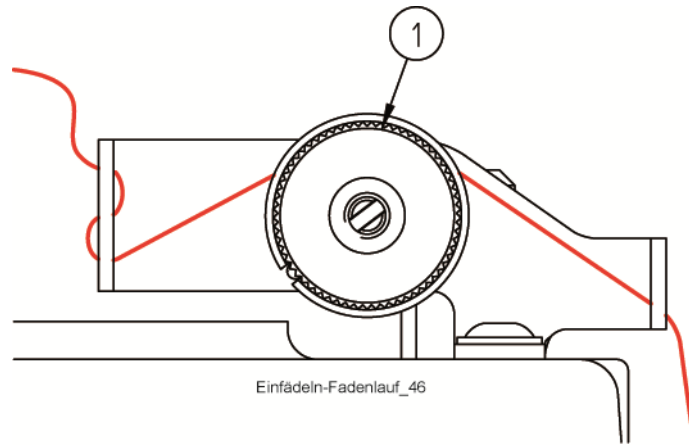


Fig. 13 and Fig. 14 show the correct threading.

Fig. 14



4.5 Thread tension (Fig. 14)

Depending on the quality, properties and thickness of the thread, the thread tension is adjusted using the thread tension nut (1). Thick, firm thread requires a firm thread tension.

4.6 Setting the stitch length (Fig. 15)



CAUTION! Injury hazard!

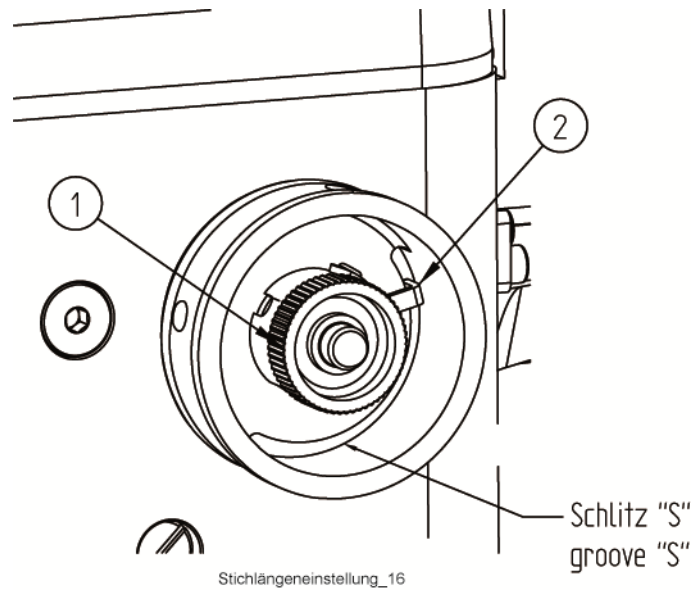
Before setting the stitch length, switch off the machine electrically and depress the motor switch pedal to make sure that the machine is truly switched off. Otherwise there is a hazard of injuries by crushing and needle punctures.

The infinitely adjustable stitch length adjustment is done, as Fig. 15 shows, by the control knob (1) located inside the left handwheel which features a pointer (2) that reaches through a groove "S" of the control knob.

The handwheel features scale markings with numerals to which the end of the pointer (2) is set.

The numerals on the left handwheel represent the stitch length approximately.

Fig. 15



4.7 Sewing drive

The standard versions of the machines of class 441-2 are delivered with DC sewing drives AB425.

It needs to be noted that with these sewing drives, the stitch numbers, direction of rotation, switch times can for instance be adjusted only by programming.

The machine stitch number can be influenced by changing. The detailed procedure using programming can be found in the supplied operating instructions for the sewing drive.

5 Maintenance of the machine (Fig. 17)



CAUTION! Injury hazard!

Switch off the machine electrically and depress the motor switch pedal to make sure that the machine is truly switched off.

Otherwise there is a hazard of injuries by crushing and needle punctures.

The machine is maintenance-free due to the automatic lubrication (see chapter "3.6 Initial oil filling").

The oil return flow bore (1) needs to be cleaned once a week from dirt and hair so that the oil wiped off the needle bar can flow off. Likewise the oil spray guard (2) should be cleaned of collected dirt by removing the small cover at the gripper shaft, because otherwise there is a risk that the oil is drawn in by the dirt and the material to be processed is soiled. (Fig. 17)

Checking the oil level of the machine:

Always make sure that there is **sufficient oil** in the machine, so that the pump always dips into the oil reliably and can always pump oil upwards.

This can be checked at the oil inspection glass (1) which is positioned on the left side of the machine. The oil inspection glass (1) should be covered by about half with oil. (Fig. 16)

A plastic container is supplied with every machine which can hold precisely a half a litre of oil. If this half-litre of oil is filled into the machine, the oil pump dips into the surface of the oil with its suction nozzle. The free wheel has to be above the oil level (oil fill level exactly 0.5 l). Checking the oil for cleanliness and the correct amount should be done every half year or once a year at the latest.

It is recommended to order a second container with oil so that oil level can always be topped up. It is recommended to carry out the first oil change after about half a year of operation.

Fig. 16

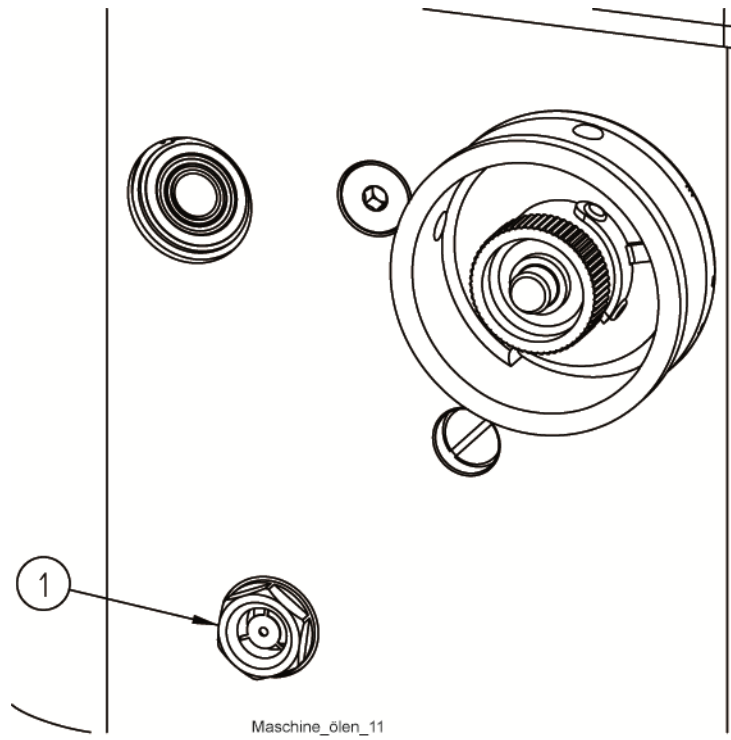
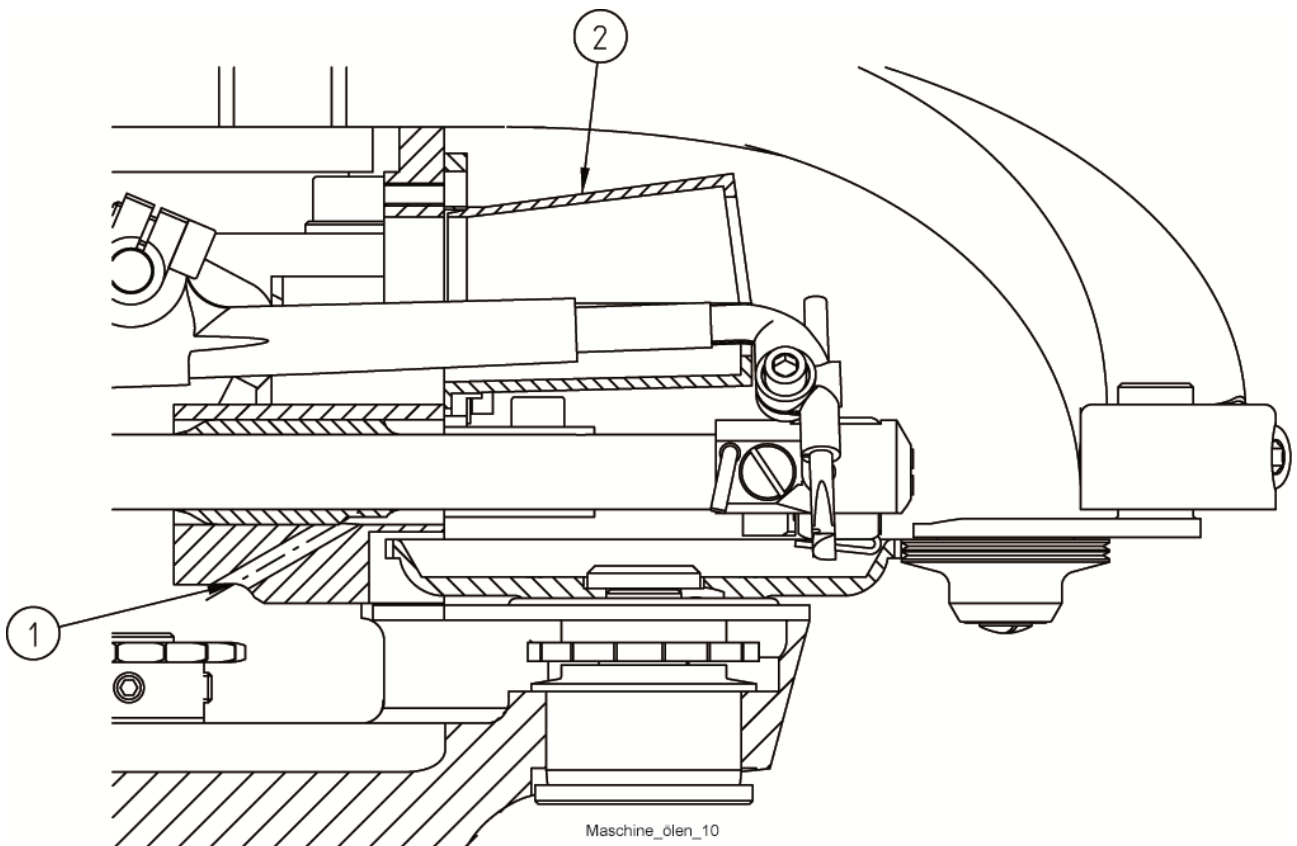


Fig. 17



6 **Variable sewing tools**



CAUTION! Injury hazard!

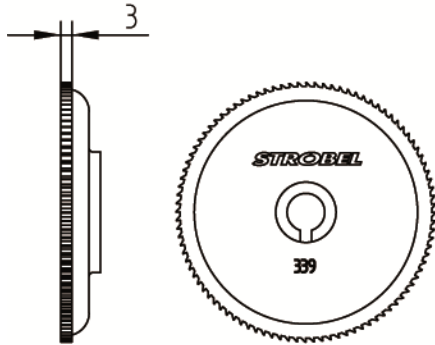
Before threading, switch off the machine electrically and depress the motor switch pedal to make sure that the machine is truly switched off.

Otherwise there is hazard of injuries by crushing and needle punctures.

The following table lists the available sewing tools.

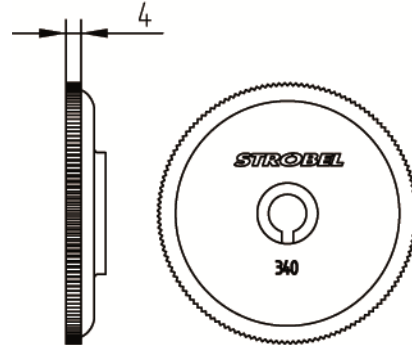
Transport plate

Standard
Cl. 441-1, -2



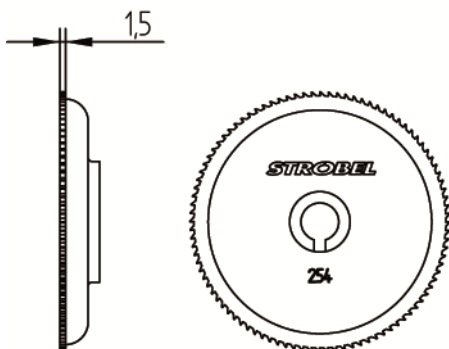
182.0339
Transport plate sawtooth
Ø 68.75 mm, pitch 2.25 mm

Optional
Cl. 441-1, -2



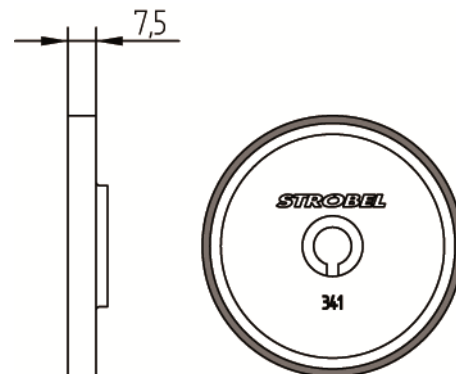
182.0340
Transport plate
Ø 68.75 mm, knurl pitch 1.5 mm

Optional
Cl. 441-1, -2



182.0254
Transport plate sawtooth
Ø 68.75 mm, pitch 2.25 mm

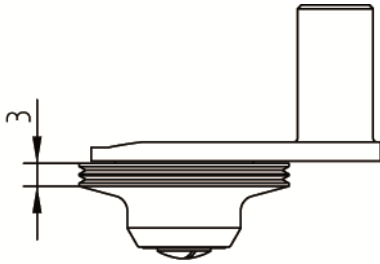
Optional
Cl. 441-1, -2
for sewing material, sensitive to markings



182.0341
Transport plate
Ø 69 mm, coated with natural rubber

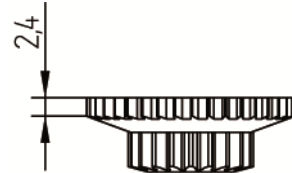
Pressure plate

Standard
Cl. 441-1



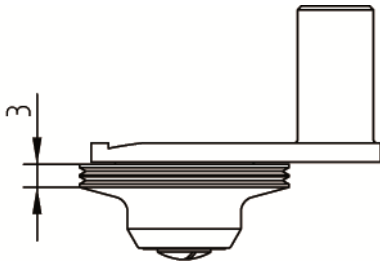
382.0227
Pressure plate Ø 27.7 mm – fluted

Standard
Cl. 441-2



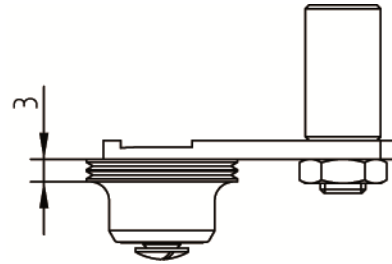
282.0338
Pressure plate Ø 27.5 mm – sawtooth

Optional
Cl. 441-1



482.0227
Pressure plate Ø 27.7 mm – fluted
with material support

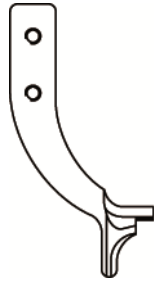
Optional
Cl. 441-1



482.0229
Pressure plate Ø 20 mm – fluted
with material support

Material guides

Standard
Cl. 441-1, -2



186.0458
Material guide - 4.5 mm high

Optional
Cl. 441-1, -2



186.0459
Material guide - 3.5 mm high

7 Optional features

The following equipment is additionally available for the machine and can be ordered from the factory together with the machine or as an attachment kit:

7.1 Thread trimmer

398.0718 Thread trimmer pneumatic
Prerequisite here is the use of the
EFKA DC 1200/AB611A with connection line (Cl. 441-1)
EFKA DC 1500/AB425S with connection line (Cl. 441-2)

7.2 Pneumatic gathering device (only cl. 441-2)

314.1016 Pneumatic gathering device

7.3 Thread trimmer and pneumatic gathering device (only cl. 441-2)

414.1016 Thread trimmer and pneumatic gathering device

7.4 Knee button and operating control (only cl. 441-2)

398.0663 Knee button and operating control

Und wir können noch mehr für Sie tun!

Unser Lieferprogramm bietet für jede Branche und jegliche Anforderung genau die richtige Problemlösung.

And we can do a lot more for you!

Our range offers the correct problem solution for every branch and for all requirements.

■ Für die Bekleidungsindustrie:

Ein- und Zweifaden-Hochleistungs-Saummaschinen

Doppelblindstich-Saummaschinen

Zweifaden-Blindstich-Staffiermaschinen

Roll- und Flachpikiermaschinen

Pikier-Automat

und

weitere Spezial-Nähmaschinen

■ *For the clothing industry:*

Single and two thread high performance hemming machines

Bluff edge hemming machines

Two thread blind stitch felling machines

Roll and flat padding machines

Automatic lapel padding machine

and other special sewing machines

■ Für die Schuhverarbeitung:

Einfaden-Überwendlichmaschinen mit und ohne Differentialtransport

■ *For the shoe industry:*

Single-thread overseaming machines with and without differential feed

■ Für Kürschnereien und Pelzkonfektion:

Pelzschnellnäher

■ *For the fur industry:*

High-speed fur sewing machines

■ Für Heimtextilien:

Ein- und Zweifaden-Blindstichmaschinen

■ *For the home textiles industry:*

Single and two thread blind stitch machines

■ Für die Polsterverarbeitung:

Ein- und Zweifaden-Überwendlichmaschinen

Ein- und Zweifaden-Blindstichmaschinen

■ *For the upholstery industry:*

Single and two thread overseaming machines

Single and two thread blind stitch machines

■ Für die Konfektion technischer Textilien:

Ein- und Zweifaden-Überwendlichmaschinen

■ *For the processing of technical textiles:*

Single and two thread overseaming machines

Noch Fragen?

Dann rufen Sie uns an, schreiben Sie uns oder kommen Sie einfach bei uns vorbei.

Sie können jederzeit weitere Informationen über unsere Produkte anfordern oder die Strobel-Nähmaschinen in unserem Ausstellungsraum live erleben. Wir freuen uns auf Sie!

Any further questions?

Then phone, write or simply come and see us. You can have further information about our products at any time, or experience the Strobel machines live in our show room. We're looking forward to meeting you!

STROBEL

Spezialmaschinen GmbH

Postfach 1242
82168 Puchheim
Siemensstraße 3
82178 Puchheim
DEUTSCHLAND

www.strobel.biz
Telefon: +49 89 80096-0
Telefax: +49 89 80096-190