

 <b>THIELE</b>		<b>Chain and wire rope cutter</b>		<b>Operating Instructions</b>	
				Article No.	B08289
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## 1. Introduction

The THIELE-Chain and wire rope cutter (furthermore named cutter) is a tool, used during assembling of lifting accessories made of round link chains or wire ropes.

## 2. General

Manufacturer: THIELE GmbH & Co. KG  
Werkstraße 3  
58640 Iserlohn



### Intended use:

The cutter has only to be used for mechanical cutting of ropes or round link chains made of steel. Different blades for ropes or chains have to be used.

The cutter must exclusively be used

- within the limits for maximum diameter of ropes and chains,
- by using the right blades different for ropes and chains,
- within the temperature limits prescribed,
- by correct installation of electrical and hydraulic connections,
- by using the safety devices and personal protective equipment,
- under consideration of the country-specific rules for accident prevention and environmental protection,
- by trained and authorized persons.

Temperature range for dry storage: 0 to +40 °C.

Temperature range for use: +5 to +30 °C.

Use only under dry conditions.

Check completely delivery before initiate operations:

- 1 Cutter without oil
- 1 Blades for replacement
- 2 Hexagon socket screw key size 8
- 1 Operating instruction

Delivery without oil.

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### 3. Safety notes

- Operators have to consider this operating instruction and wear their personal protective equipment.
- Mounting/dismounting, inspection and maintenance have only to be done by trained and authorized persons.
- Improper use of the cutter will endanger life and assets.
- Never use the cutter with evidently damages at mechanical or electrical parts.
- Modifications to the cutter are not allowed without written agreement of the manufacturer.
- **Operating endangers squeezing or cutting of extremities. Therefore operating has to be done very carefully. Take care to operate under trouble-free conditions. During operation, especially keep away your fingers from the blades.**
- Switch off the cutter in case of maintenance, remove the plug.
- Depress the hydraulic tubes in case of maintenance.
- Switch of the cutter in case of changing the blades.
- Hydraulic oil is harmful to health. Avoid contact with the skin.
- Consider safety and environmental reference notes according hydraulic oil.

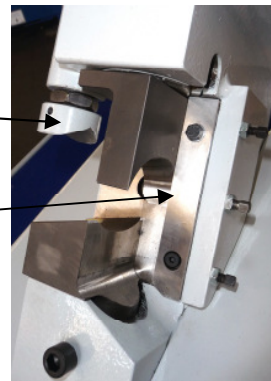
### 4. Technical Data

Maximum shearing force	700 kN
Maximum chain diameter	26 mm (all grades)
Maximum rope diameter	30 mm
Maximum hydraulic pressure	450 bar
Electrical connection	415 Volt / 50 Hz
Oil	Hydraulic oil acc. DIN 55524 i.e. HLP 68
Weight	365 kg
Dimensions (L x B x H)	1100 x 920 x 1500 mm
Operating hight	1100 mm

Blades for chains:



Blades for ropes:



Downholder  
(for ropes)

Guide  
(only for ropes)  
**Remove for  
cutting chains! #**

Oil-control:



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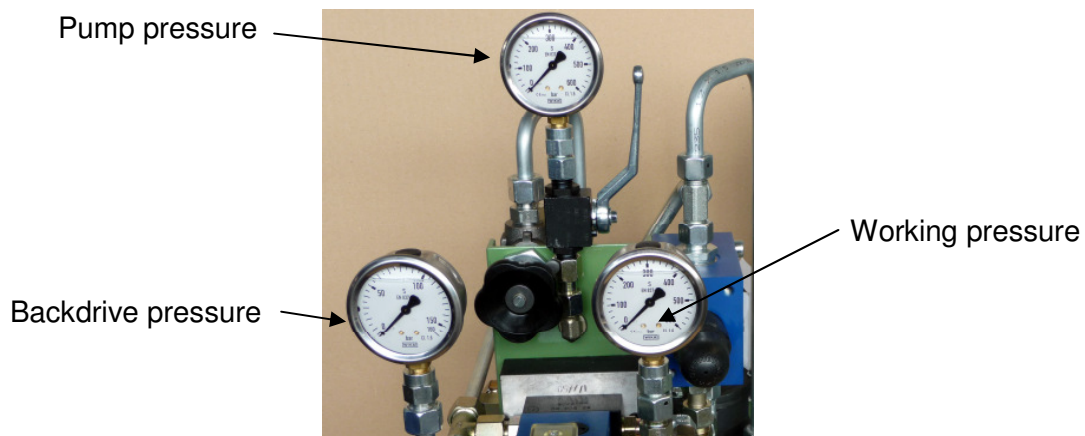
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## 5. Initial operation and use

1. Fill in adequate oil into the oil tank. Never operate the cutter without oil!
2. Connect the plug to the power supply.
3. Switch on the cutter.
4. Unlock and open the protection cover. Put the chain link or the rope to the opened cutting-area between the blades. **Up to chain-Ø 10 mm both legs, from chain-Ø 13 mm only one chain leg have to be cut. Cut in blade centre, not with upper blade edge.** #
5. Close and lock the protection cover. Cutting can only be done with locked protection cover.
6. Activate the foot switch to start cutting operation.
7. Remove the foot from the switch, when cutting process is finished. The upper blade moves backwards independently and the protection cover can be opened for the next cutting.
8. Switch of the cutter and remove the plug after work is done.

The hydraulical compressions could be monitored by pressure gauges.



## Blade change

1. Switch off the cutter and depress the hydraulic tubes.
2. First disassemble the lower fixed blade by loosen the screw and moving the blade upwards.
3. Then disassemble the upper moving blade by loosen the lateral screw and moving the blade downwards.
4. Afterwards first mount the other upper moving blade and then the other lower fixed blade.
5. Before the next cutting will be started, the cutter has to be operated without rope or chain to make sure, that the blades are in the right position. If necessary the stroke-adjustment has to be set up again.
6. The screws of the blades have to be retightened after 10 cuttings.

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## 6. Auxiliary equipment

### 1. Downholder

The downholder keeps the rope rectangular to the cutting line.

### 2. Stroke-adjustment

The stroke-adjustment enables the operator to limit the moving of the blades from 0 to 50 mm.

The advantage is, that in case of cutting smaller diameters, the empty drive will be reduced.



## 7. Inspection and maintenance

Prior to operation, the oil-level and leakage have to be checked.

Make sure there are no visible damages to the cutter or the tubes before use.

Blades with outbursts or with stump cutting edges have to be replaced.

Damaged parts have to be proper replaced.

Use only THIELE-spare parts.

THIELE offers inspection, maintenance and repair services performed by trained and competent personnel.

Please do not hesitate to contact us at:

Phone: +49 (0) 2371 / 947 – 0

E-mail: info@thiele.de

The information included in this manual has been carefully checked with respect to correctness and completeness.

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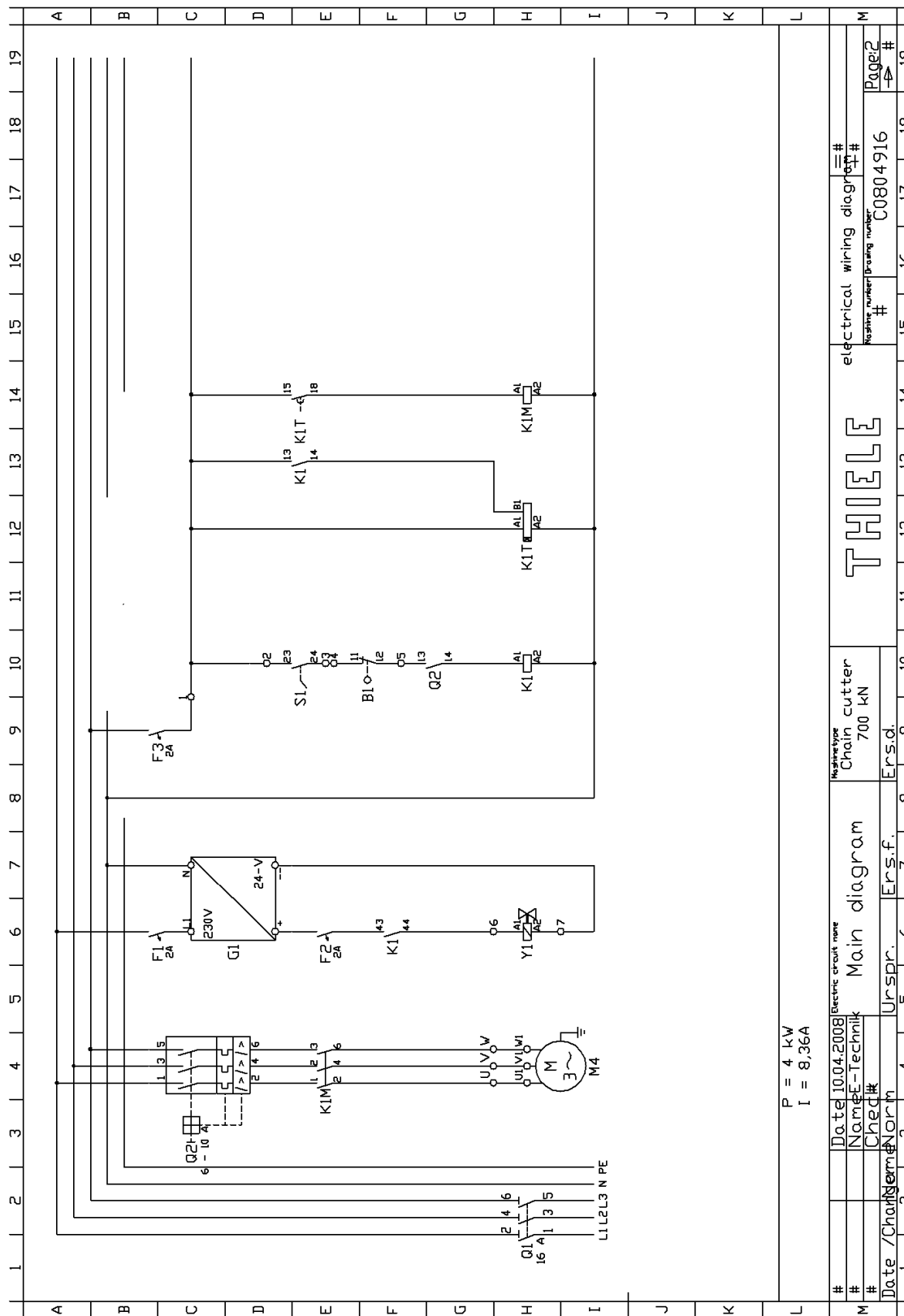
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## 8. Wiring diagram



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## 9. Hydraulic diagram

