

# ***KULLICK***

## **Chain Breakers**

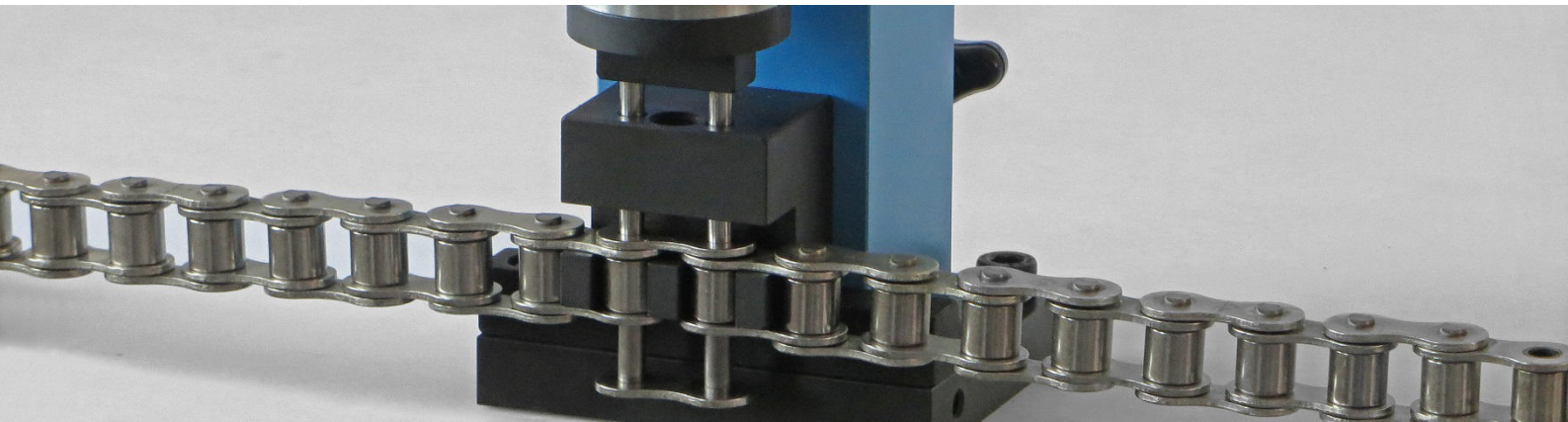


**Stationary Chain Breaker KT**  
**Manual Chain Breakers HK**

## Our know-how – your advantage

In technical machines and plants roller chains in different lengths come into operation. Roller chains are mostly sold by the meter, they have to be separated therefore accordingly. With the **Stationary Chain Breaker KT** it will be done fast and easily.

Often a long chain is pulled in a machinery during assembly, then it has to be shortened to the right length. For that the **Manual Chain Breakers HK** are best suitable.



## Advantages of Kullick Chain Breakers

Both chain pins of an outer connecting link plate are pressed through in one working operation. This has the following advantages:

- The time for separating reduces by half and lasts only a few seconds.
- Both separated chain parts have at once the right ends with inner connecting link plates.
- Chains with parallel and shouldered pins can be separated with the same pick-up-unit.
- The chain does not twist. So there is no breaking danger for plastic parts of plastic chains.

## Product videos

The videos demonstrate the operation of our Chain Breakers.

You will be forwarded from our homepage:

[www.kullick-geraetebau.de/kettentrenngerate\\_eng.htm](http://www.kullick-geraetebau.de/kettentrenngerate_eng.htm)



# Stationary Chain Breaker KT

## Range of use

The chain breaker KT is used if roller chains have to be separated stationary fast and efficiently also in big numbers. Through exchange of the pick-up-unit different types and dimensions (8 mm up to 1 1/4") can be separated.

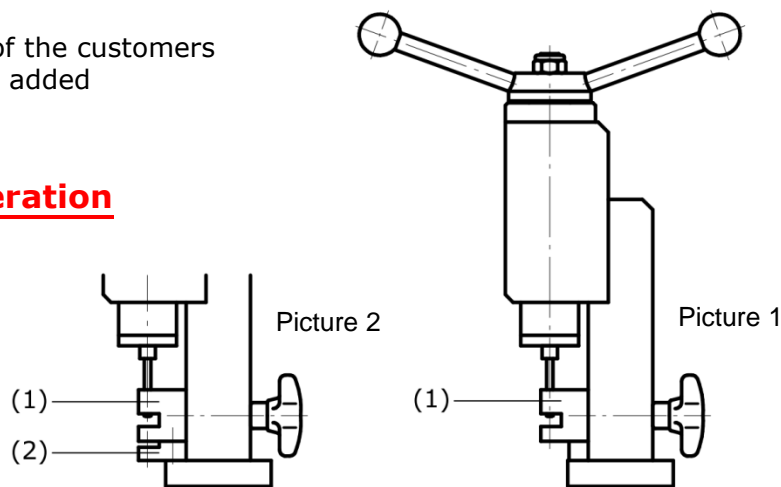
Machine manufacturer profit by:

- fewer chains in stock and more flexibility
- shorter delivery times for chains sold by the meter
- lower prices for chains sold by the meter

Chain trader profit by:

- better competitive position due to flexible fulfillment of the customers' wishes
- fast supply of the customers
- higher value added

## Mode of operation



For the different chains the pick-up-unit (1) is exchanged in each case. This takes place in less than 1 minute without tools.

The Stationary Chain Breaker KT is so designed that it is suitable as well for chains with parallel pins [picture 3] as for chains with shouldered pins [picture 4].

For separating the chain is slid on the fork of the pick-up-unit as far as it will go. This gives the chain fixed support and the exact position for separating. Turning the hand crank moves the push-out-unit downwards and pushes out both chain pins – the chain is separated.

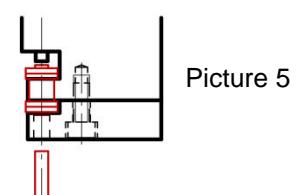
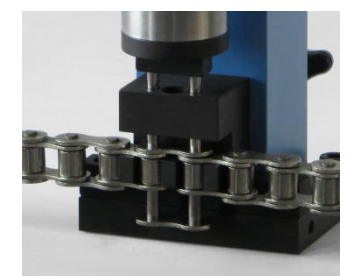
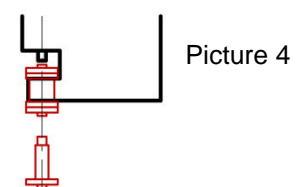
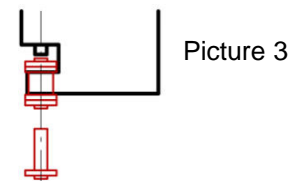
Both chain pins of an outer connecting link plate are pressed through in one working operation.

## Separating with supporting plate

If necessary it is possible to separate chains which are difficult to separate with the help of the **supporting plate** (2) [picture 2 and 5]. Here the chain is additional stabilized at the lower outer connecting link plate. By that means it is prevented that the bushes disengage from the inner connecting link plates. The pins are pressed through both outer connecting link plates [picture 5].

The effort to separate is hereby bigger. Therefore the separating without supporting plate is to prefer.

Separate chains with shouldered pins only without supporting plate.



## Specification

**Extension of the handle GV**  
screw on, for big chains

Ergonomic turning handle for  
easy power transmission

High-quality screw support bearing

Maintenance-free lead screw

Twist-secured, corrosion-  
protected spindle sleeve

Bayonet fixing to connect  
the push-out-unit

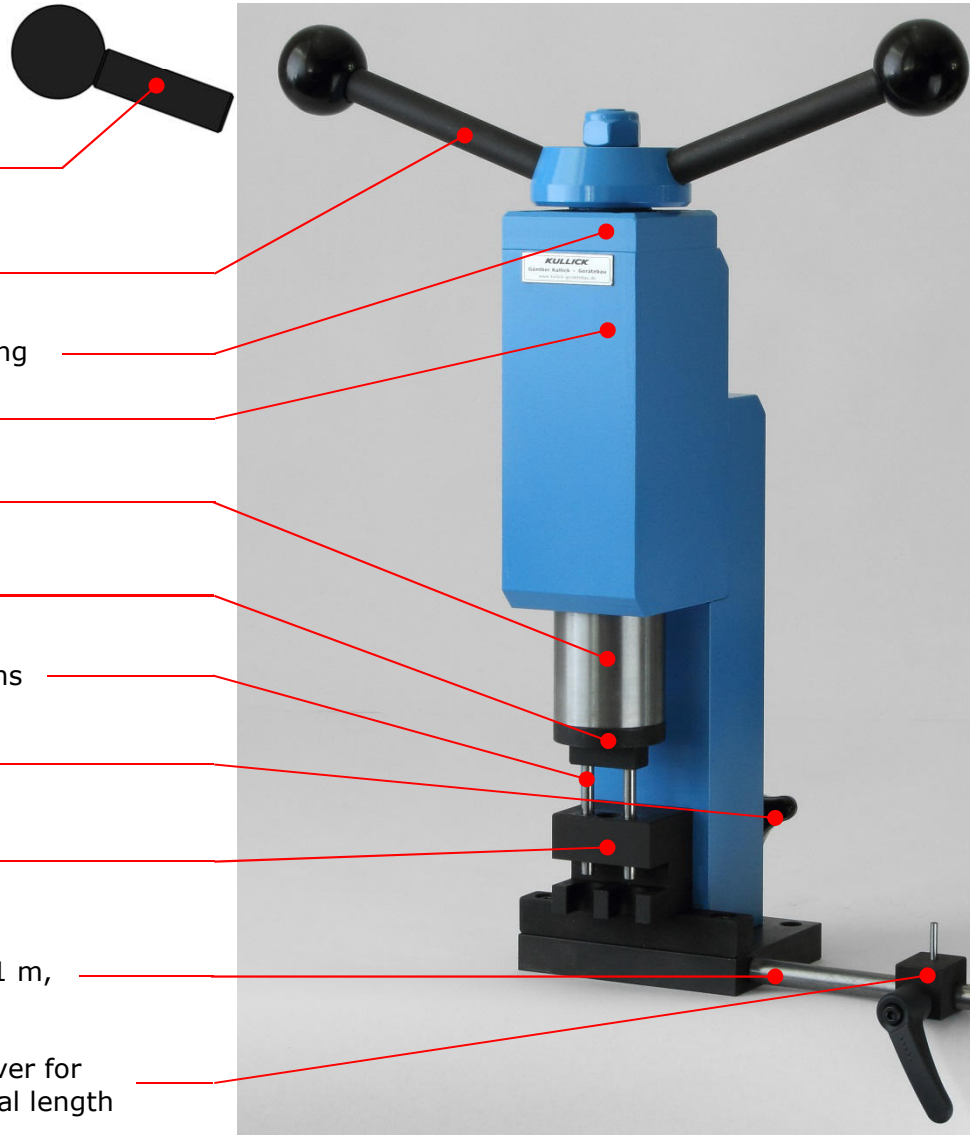
Hardened and grinded ejector pins

Clamping system for quick  
change of the pick-up-units

Corrosion-protected, hardened,  
exchangeable pick-up-units

**Shifting rod VS**, length 1 m,  
optional prolongable, each time 1 m,  
screw on right or left

**Shifting unit VE** with locking lever for  
quick separating chains with equal length



## Assembling and closing of roller chains

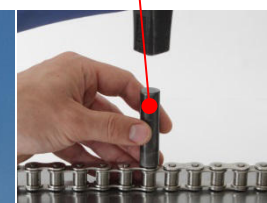
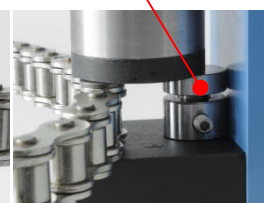
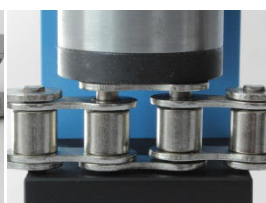
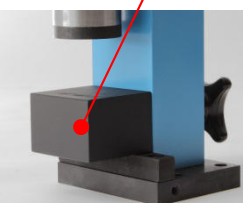
The Stationary Chain Breaker KT can also be used for occasional assembling from attachments or for closing the roller chains. Procedure:

1. Fix the **Mounting plate MP** [Picture 1]
2. Insert the pinblock into the chain ends bottom-up [Picture 2]
3. Put the chain on the Mounting plate MP and the outer link plate on the pins, press the outer link plate down until they flush with the pins [Picture 3]
4. Use an outer link plate with drilled open holes or a flat steel with two holes in it to push the outer link plate on the pins so far as the right end position [Picture 4]. The correct end position can also be achieved by using the **Adjustable Spacer DB** [Picture 5].  
Notice: If the outer link plate has been pushed too much and the chain is not easy movable enough, you can push it backwards with the Manual Chain Breaker HK.
5. Rivet the chain pins with the **Riveting Punch VN** [Picture 6].

Mounting plate MP

Adjustable  
Spacer DB

Riveting  
Punch VN



Picture 1

Picture 2




Picture 3

Picture 4

Picture 5

Picture 6

## Standard program Stationary Chain Breaker KT and component parts

Description		For chain	Order-No.	
<b>Stationary Chain Breaker KT</b>			<b>500.000</b>	
Extension of the handle GV (pair)			500.009	
Shifting rod VS (length 1 m)			500.010	
Shifting unit VE			500.011	
Mounting plate MP			500.020	
Adjustable Spacer	DB 1	06B-1, 083	500.021	
	DB 2	08B-1	500.022	
	DB 3	10B-1, 12B-1	500.023	
	DB 4	18B-1, 20B-1	500.024	
Riveting punch <sup>1)</sup>	VN 1	05B, 06B, (083)	500.031	
	VN 2	083, 08B, (10B)	500.032	
	VN 3	10B, 12B	500.033	
	VN 4	16B	500.034	
	VN 5	20B	500.035	
Pick up unit	A 05B	05B-1 ; 8,0 x 3,0	501.051	
	A 06B	06B-1 ; 3/8 x 7/32	501.061	
	A 83	083 ; 1/2 x 3/16	501.831	
	A 08B	08B-1 ; 1/2 x 5/16	501.081	
	A 10B	10B-1 ; 5/8 x 3/8	501.101	
	A 12B	12B-1 ; 3/4 x 7/16	501.121	
	A 16B	16B-1 ; 1" x 17	501.161	
	A 20B	20B-1 ; 1 1/4 x 3/4	501.201	
Supporting plate	S 05B	05B-1 ; 8,0 x 3,0	502.051	
	S 06B	06B-1 ; 3/8 x 7/32	502.061	
	S 83	083 ; 1/2 x 3/16	502.831	
	S 08B	08B-1 ; 1/2 x 5/16	502.081	
	S 10B	10B-1 ; 5/8 x 3/8	502.101	
	S 12B	12B-1 ; 3/4 x 7/16	502.121	
	S 16B	16B-1 ; 1" x 17	502.161	
	S 20B	20B-1 ; 1 1/4 x 3/4	502.201	

1) According to the bolt type the necessary size of the riveting punch can vary.

# Manual Chain Breakers HK

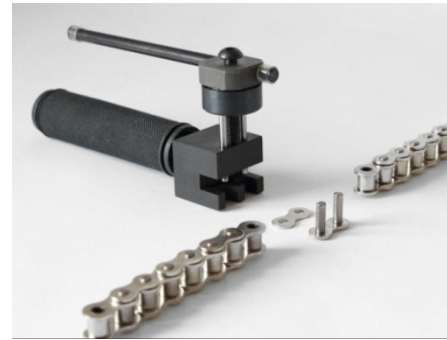
## Range of use

The manual chain breaker is used if a chain has to be separated directly at the machine where space is narrow. The pick-up-unit and the push-out-unit form a unity therefore the manual chain breaker has very compact dimensions. For every chain size a specific manual chain breaker is required.

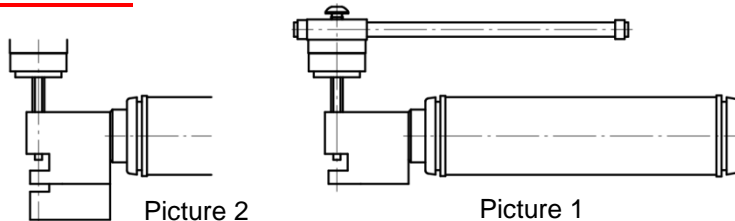
Deliverable sizes: 3/8" – 1".

Manual chain breakers HK come into operation with:

- Machine and plant manufacturers
- Maintenance companies, -departments



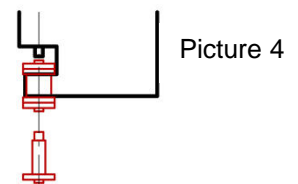
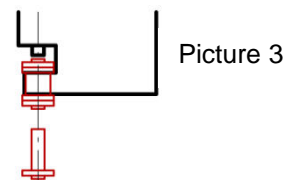
## Mode of operation



The Manual Chain Breakers HK are so designed that they are suitable as well for chains with parallel pins [picture 3] as for chains with shouldered pins [picture 4].

For separating the chain is slid on the fork of the pick-up-unit as far as it will go. This gives the chain fixed support and the exact position for separating. Turning the hand crank moves the push-out-unit downwards and pushes out both chain pins – the chain is separated.

Both chain pins of an outer connecting link plate are pressed through in one working operation.



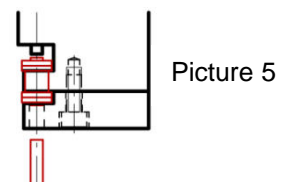
## Separating with supporting plate

Some chains necessitate separating with the help of the **supporting plate** [picture 2 and 5]. Here the chain is additionally stabilized at the lower outer connecting link plate. By that means it is prevented that the bushes disengage from the inner connecting link plates. The pins are here pressed through both outer connecting link plates [picture 5].

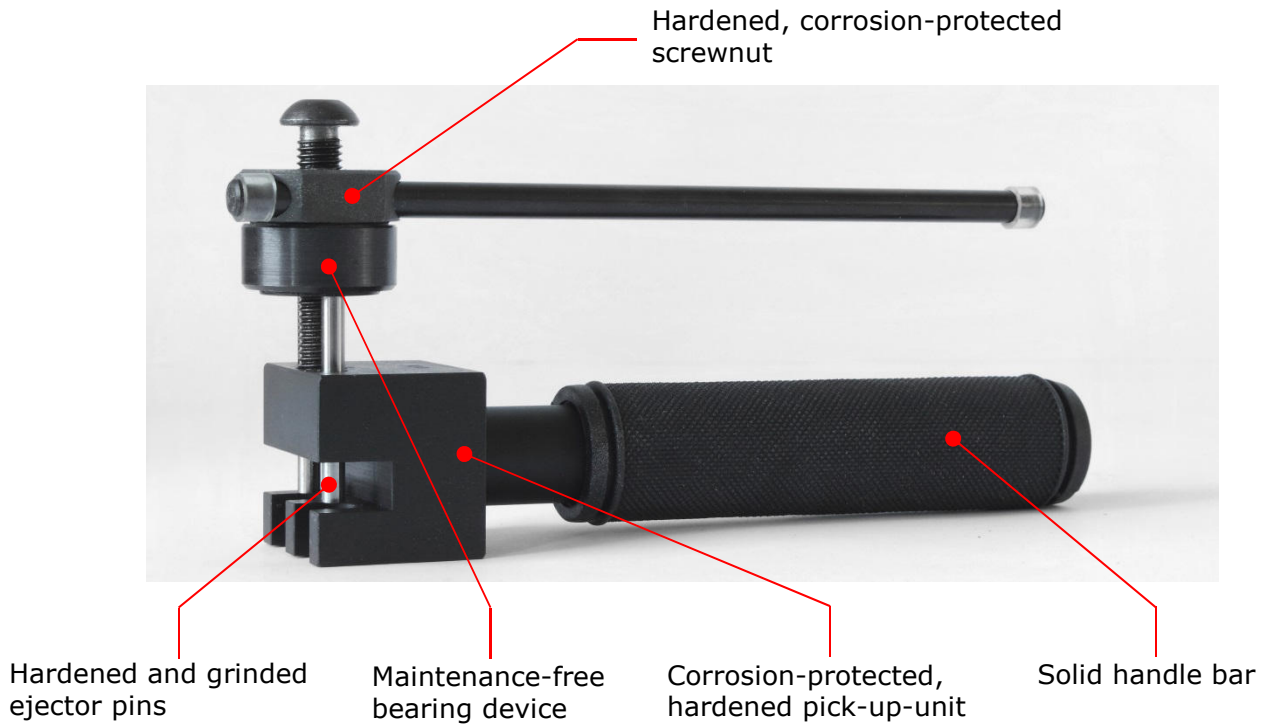
The needed force to press out and therefore the effort to separate is hereby bigger. To big effort has to be avoided so that the Manual Chain Breaker will not be damaged.

Chains which are difficult to separate should be better separated with the **Stationary Chain Breaker KT**.

Separate chains with shouldered pins only without supporting plate.



## Specification



## Standard program Manual Chain Breaker HK and Supporting plate S

Description		For Chain	Order-No.	
Manual Chain Breaker	HK 06B	06B-1 ; 3/8 x 7/32	510.061	
	HK 08B	08B-1 ; 1/2 x 5/16	510.081	
	HK 10B	10B-1 ; 5/8 x 3/8	510.101	
	HK 12B	12B-1 ; 3/4 x 7/16	510.121	
	HK 16B	16B-1 ; 1" x 17	510.161	
Supporting plate	S 06B	06B-1 ; 3/8 x 7/32	502.061	
	S 08B	08B-1 ; 1/2 x 5/16	502.081	
	S 10B	10B-1 ; 5/8 x 3/8	502.101	
	S 12B	12B-1 ; 3/4 x 7/16	502.121	
	S 16B	16B-1 ; 1" x 17	502.161	



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