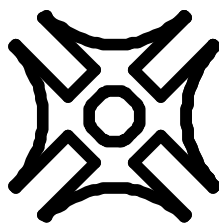


**Cutting machine  
with touch tool**

**Type C066 HA  
Pitch 12,7 mm**

Translation of the original operating manual



## **Retention of Title**

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This documentation and the information contained therein  
have been compiled with the appropriate care.

Version: 5.2

Date: February 2016



**EC Declaration of Conformity**  
**In according to EC Machinery Directive 2006/42/EG**  
**Appendix II A**

We herewith declare that the machine described hereinafter satisfies the essential safety and health requirements set out in the EC Machinery Directive with regard to its design and construction as well as the type marketed by us.

In case of an alteration of the machine without our agreement this declaration shall become void.

We furthermore point out that for the installation of spare parts only original parts of the company Burst & Zick GmbH may be used.

<b>Description of the machine:</b>	<b>Cutting machine</b>
<b>Machine type:</b>	<b>C066 HA / 12,7</b>
<b>Machine number:</b>	
<b>Applicable directives:</b>	EC Machinery Directive (2006/42/EG appendix II A) EC Electromagnetic Compatibility Directive (2014/30/EG)
<b>Applied harmonized standards, particularly:</b>	EN ISO 12100:2010 DIN EN 13857 DIN EN 61000-6-1 DIN EN 61000-6-3 DIN EN 14070      was pulled up informatively
<b>Attachment of the CE label:</b>	<b>CE</b>
<b>Place/Date/Signature:</b>	Karlsruhe, den 14.03.2016

Managing director



# General

## 1. Notes on industrial safety

The following notes on industrial safety have to be specially adhered to:

- The cutting, forming and bending machine C066 MA has been constructed according to the current state of the art and conforms to the ESD regulations. Nevertheless, perils may arise from this machine if it is used by untrained personnel or for other than the intended purposes.
- **Statement on the residual risk**
  1. Danger of crushing and shearing during the set up mode.  
The danger areas are marked with signs.
- Applicable accident prevention regulations have to be adhered to by the user, particularly the
  - DGUV Regulation 1
- The machine may only be operated by trained personnel.
- Any mode of operation which can impair the safety of the machine has to be refrained from.
- The user undertakes to operate the machine only in perfect condition.
- Unauthorized alterations or variations which impair safety have to be refrained from.
- Safety devices may principally not be dismantled or put out of operation. If it is indispensable to dismantle safety devices for the purpose of tool changes or for maintenance and repair work, the safety device has to be reinstalled immediately afterwards.



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### 3. Introduction

The cutting machine C066 HA 12,7 has been developed to cut of radial taped components. The peculiarity of this machine is that it touches at the component body before cutting the component and therefore any existing belt tolerances are eliminated.

This procedure guarantees an accuracy of the cut components of +/- 0,1 mm.

The cutting length of the components is given on the width of the lower cutting blade.

#### Operational sequence

The component belt is insert by hand into the machine. A transport which is driven by a hand crank. The transport belt transports the components to the cutting blade that touches the components and cuts. The cut component fall as bulk in a container.



### 3.1 Machine structure

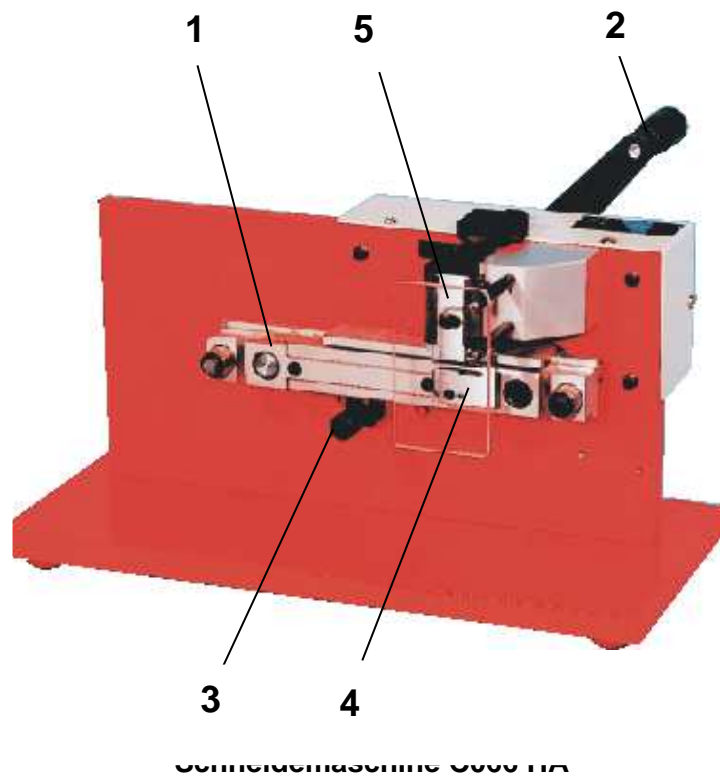


Fig. 2

Cutting machine C066 HA

1. Traktor
2. Hand crack
3. Tumbscrew with lock nut for adjusting the toch tool
4. Lower cutting knife
5. Upper cutting knife

### 3.2. Technical data

Dimensions	Widht:	360 mm
	Depth:	170 mm
	Heigth:	180 mm
Weight		App. 6,6 Kg
Lead Ø		til 0,8 mm





# Commissioning

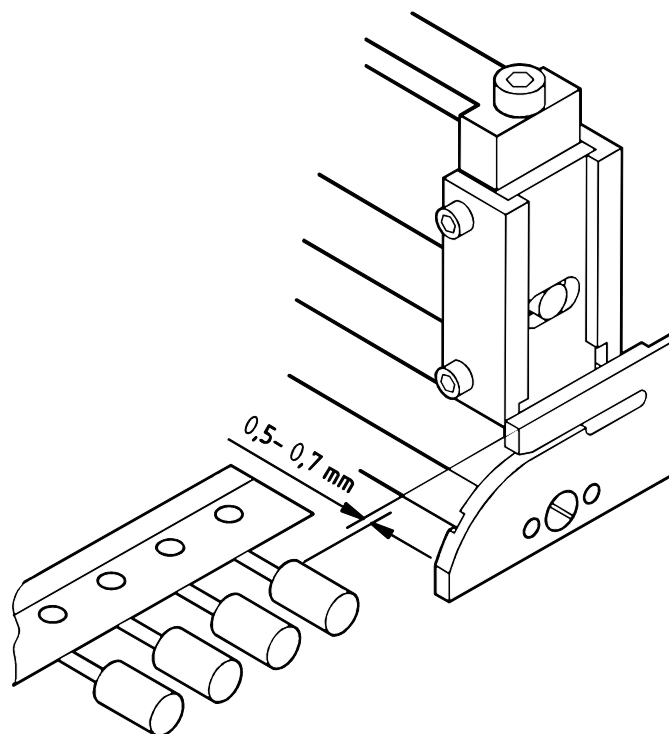
## 1. Installation

The machine is delivered fully assembled and installed. Please check the shipment immediately with the help of the delivery note and/or the packing list. In case the consignment is incomplete or if damages have occurred during transport, please inform us immediately.

Place the machine on a stable, level working table.

## 2. Working with the machine

1. Insert component belt and drive at low speed the components in front of the cutting knife. Turn hand crank right.
2. By using the adjusting screw (fig..3 - 3) set the transport unit 0,5 – 0,7 mm distance to the component to the lower cutting tool. The touching from the component has to be in the middle from the touch range.
3. Edit at low speed a few components.
4. Measure the machined components.  
If the components meet the requirements, you can begin production.



**Fig. 2**  
**Adjustment**

# Maintenance

## 1. General notes on the adjustment

- Machine retooling and maintenance cover to prevent accidental (unauthorized) switching can be carried out.
- All protection and safety devices that have been disassembled must be mounted absolutely again.

## 2. Change upper and lower cutting knife

Remove protective acrylic glass in front of the cutting unit. (fig. 3)

1. To remove the upper cutting knife (pos. 5) remove the 4 screws on the side (pos. 10) and remove the left and the right adjusting from the cutting knife. After that the cutting stamp can be take out easy.
2. To change the lower cutting knife (pos.4) the countersink screw has to be unscrew (pos. 12) and the cutting knife can be taken out.

## 2. Change the belt from the tractor

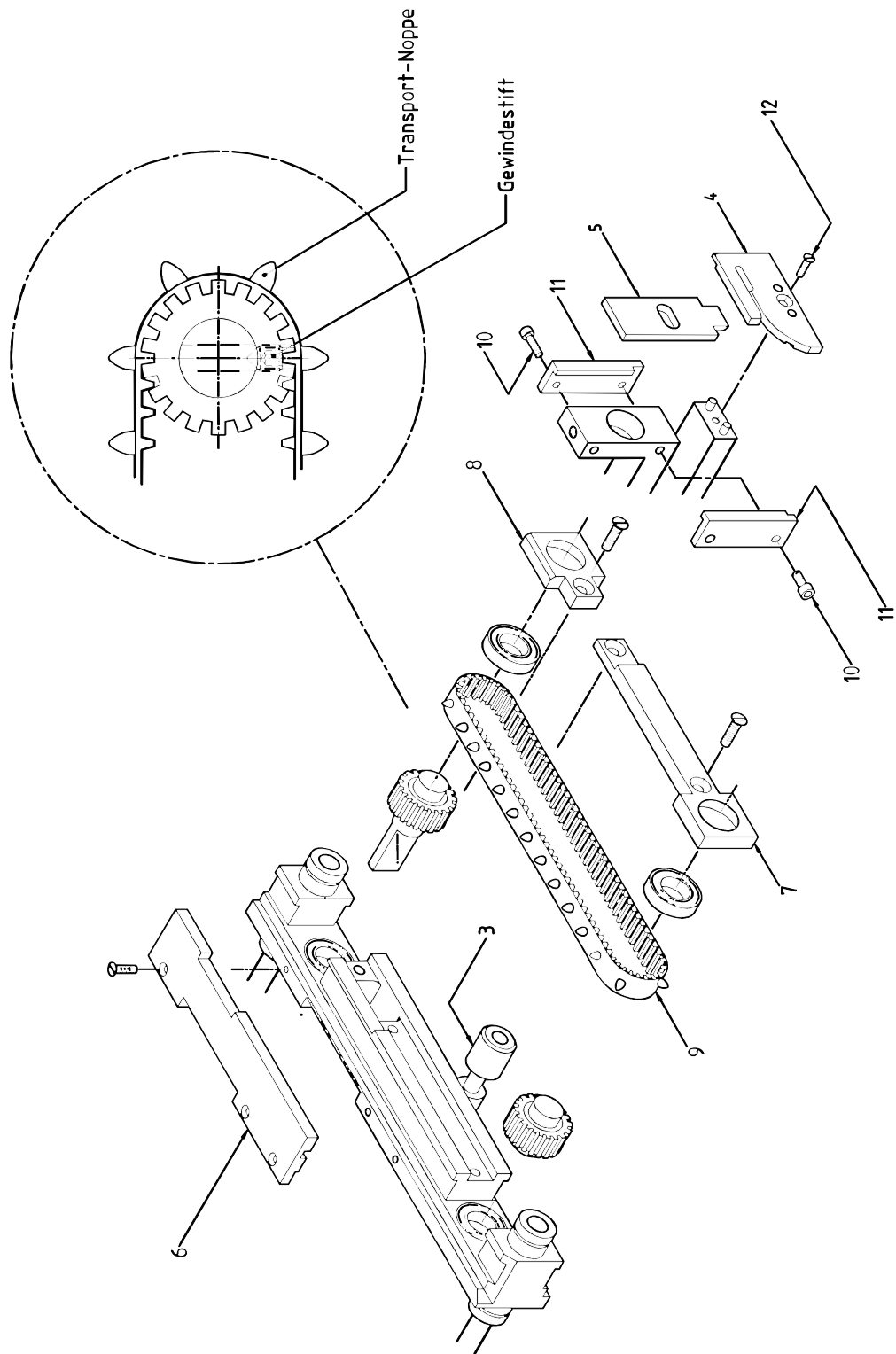
(Fig. 3)

1. Remove cutting stamp (pos. 5) and cutting knife (pos. 4) (look point 1)
2. Screw out the adjusting screw completely (pos.3).
3. Move out the tractor.
4. Remove the upper guide plate (pos. 6) and the sides (pos 7+8).
5. Pull out the belt (pos.9).
6. Insert ab new belt.
7. The installation from the tractor make succes in reverse series.

### **Important notice!**

**At the installation from the belt it is necessary to look that the transport burling is emeadetly above the headless screw (fig. 3)**





**Fig. 3**

**Exchange tractor / belt**



# Maintenance

## 1. Maintenance plan

	Interval				Task
	d	w	m	y	
Machine, general	X				Vacuum-clean or clean from wire clippings and other remains with a brush.
Cutting wheel		X			Check for damage. . If there is a burr at the cutting site, the cutting tool maybe is blunt.
Transport belt		X			Check for damage
All sliding parts such as cam disks, conveyor graspers etc.		X			Clean and lubricate slightly with oil. <b>No grease</b>

d = daily  
 w = weekly  
 m = monthly  
 y = annualy

**Caution: All maintenance and repair work may only be performed by trained specialists!**

**Caution: No grease may be used for lubricating moving and sliding parts. Use thin lubricants only.**



# Spare parts catalogue

Index

- 1. Spare parts mechanical parts
- 2. Body.....Tz 1
- 3. Drive.....Tz 2
- 4. Tractor.....Tz 3
- 5. Cutting unit and touching unit.....Tz 4

## 1. Ersatzteilliste mechanische Teile für C 066 HA

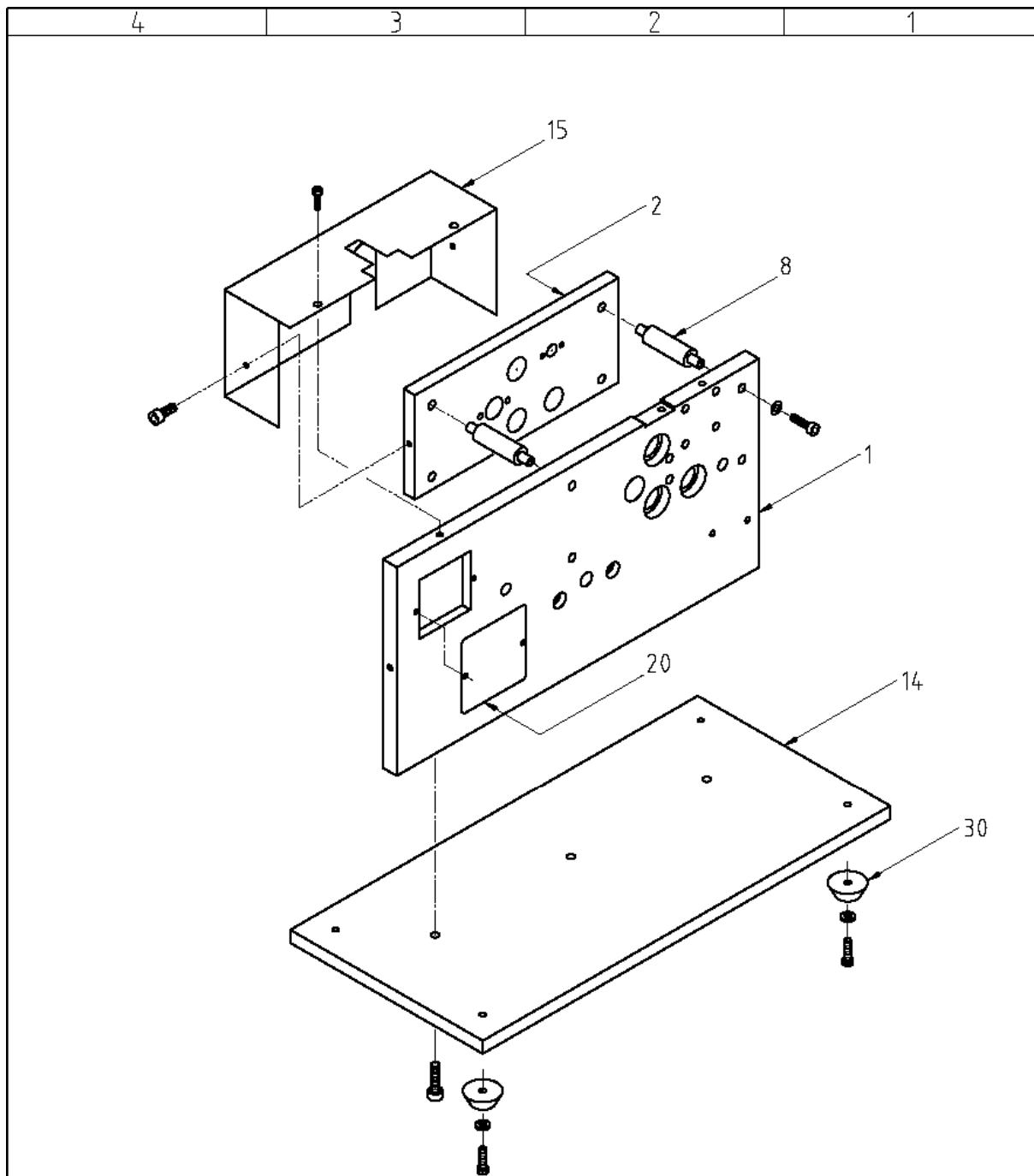
Bestell-Nr.	Artikel
Tz 2 - T.1 + T.2	Maltese cross (komplete)
Tz 2 - T.3	Indexing wheel
Tz 2 - T.6	Gear hub
Tz 2 - T.4	Gear
Tz 3 Pos. 12	Transport belt *
Tz 4 Pos. 12	Spring
Tz 4 - T.2	Lower kutting knife
Tz4 - T.4	Upper kutting knife

\* When ordering specify 12,7 mm pitch !

## 2. Tz 1 – Body

Pos.	Qty	Drawing number	Description	Rem.
1	1	C066 Tz 1 T.1	Bearing plate (front)	
2	1	C066 Tz 1 T. 2	Bearing plate (back)	
8	4	C066 Tz 1 T. 8	Spacer bolt	
14	1	C066 Tz 1 T.14	Base plate	
15	1	C066 Tz 1 T. 15	Safety guard	
19	4		Rubber foot	





Skalierfaktor 1,2

Rev.-Nr. 003/970911

				Oberfläche	Maßstab 1:5	Position	Menge
					-	-	-
				Datum	Name	<b>Gehäuse</b> gültig für C066 HA	
				Bearb. 11.09.97	Rothw.		
				Gepr.			
				Norm			
				C066 HA Tz 1			Blatt
							-
							Bl
3	gültig ab 09.97	11.09.97	Rothw.	EDV Nr.	CAUSERVISOMETRIC066A/01-H001	23.06.99	
Zust.	Änderung	Datum	Name				

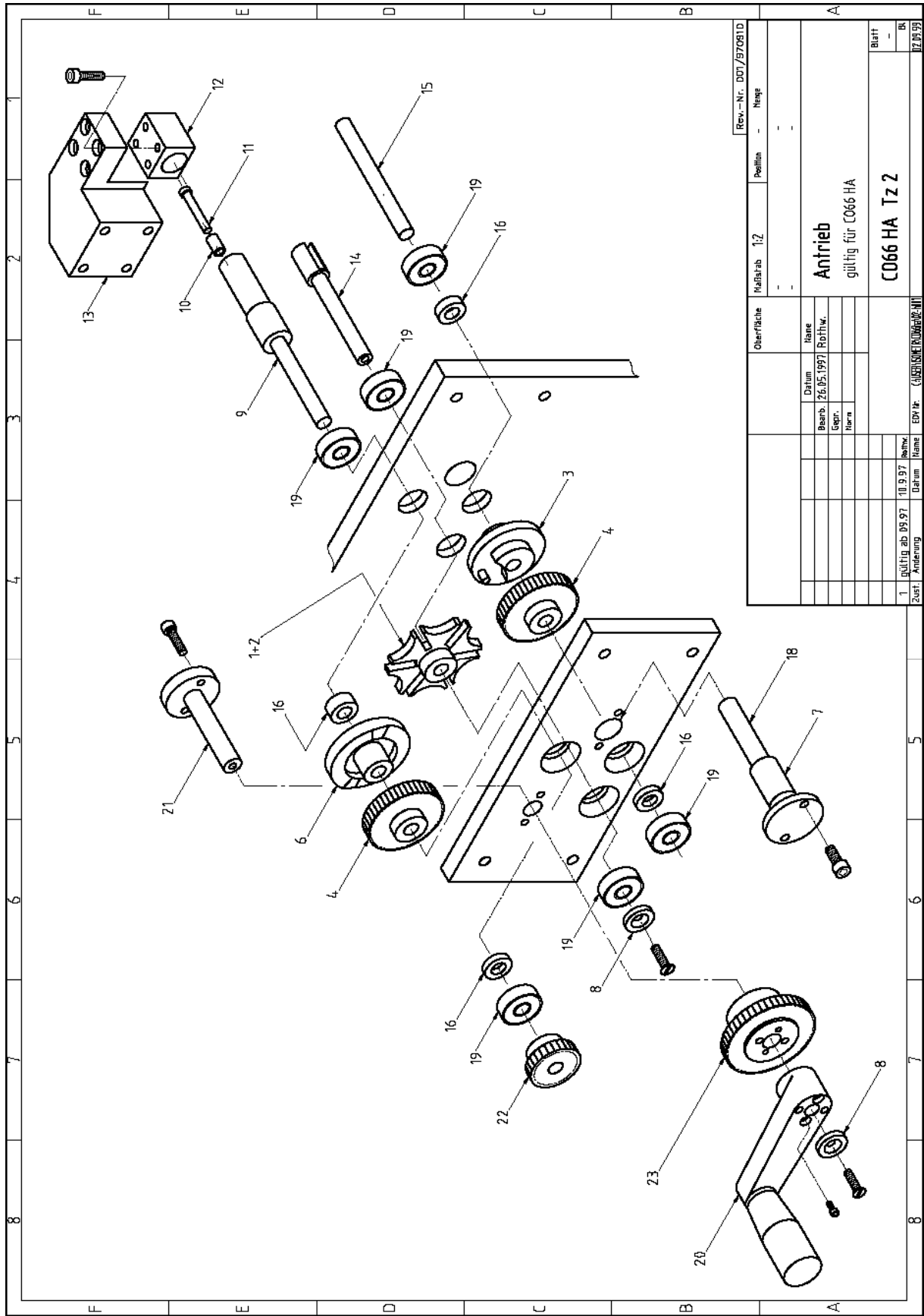


## Tz 2 – Drive

Pos.	Qty	Drawing number	Description	Remarks
1	1	Tz 2 T. 1	Maltese cross	
2	1	Tz 2 T. 2	Hub	
3	1	Tz 2 T. 3	Indexing wheel	
4	2	Tz 2 T. 4	Gear	
6	1	Tz 2 T. 6	Gear hub	
7	1	Tz 2 T. 7	Bearing pin	
8	2	Tz 2 T. 8	Disk washer	
9	1	Tz 2 T. 9	Shaft	
10	1	Tz 2 T. 10	Eccentric	
11	1	Tz 2 T. 11	Eccentric pin	
12	1	Tz 2 T. 12	Bearing	
13	1	Tz 2 T. 13	Bearing block	
14	1	Tz 2 T. 14	Coupling	
15	1	Tz 2 T. 15	Shaft	
16	4	Tz 2 T. 16	Spacer	
18	1		Shaft Ø10h6, hardened	
19	6		Groove ball bearing, , 608-zz	
20	1	Tz 2 T. 20	Hand crank	
21	1	Tz 2 T. 21	Pin	
22	1	Tz 2 T. 22	Gear wheel	26 cogs
23	1	Tz 2 T. 23	Gear wheel	48 cogs







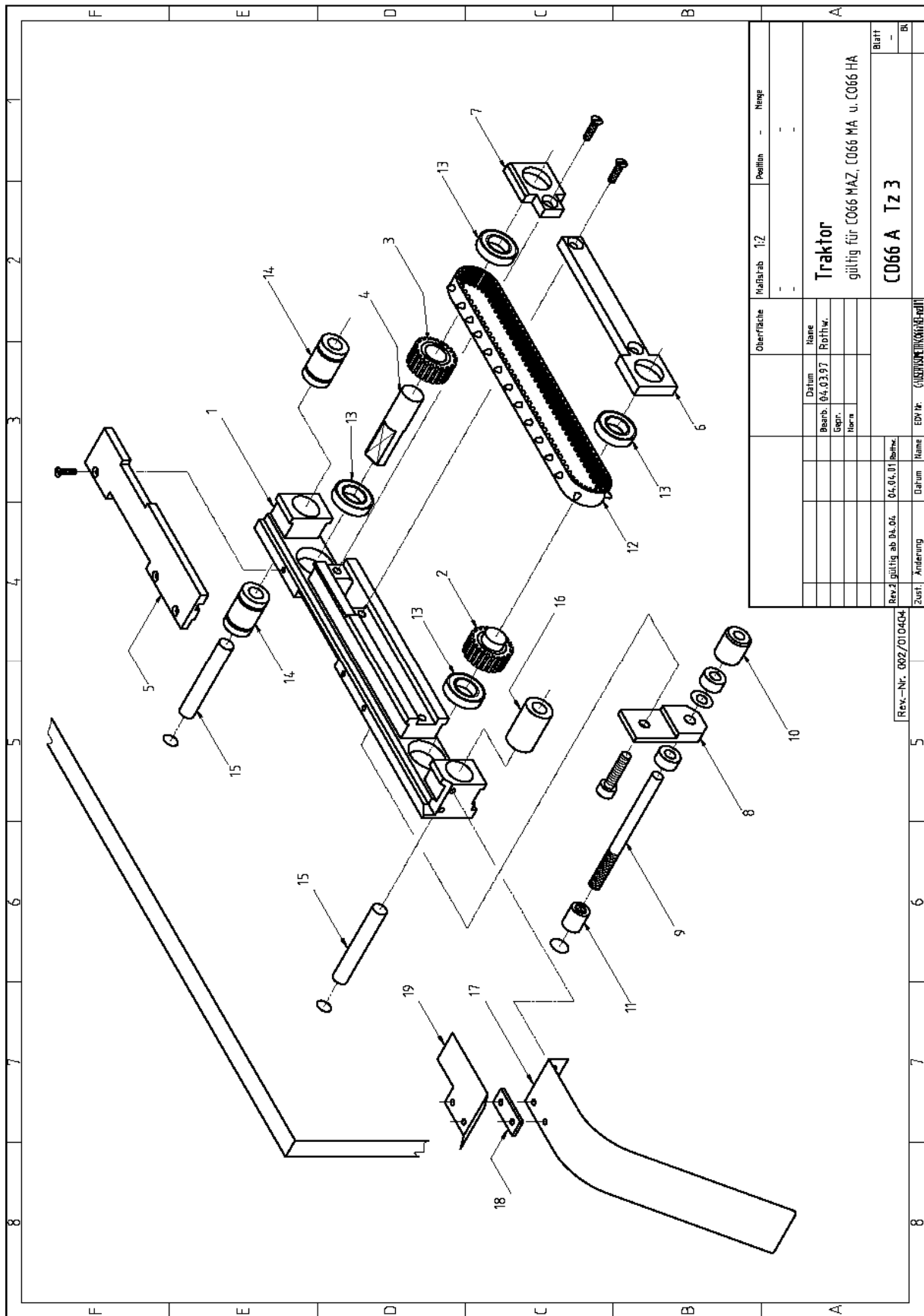
Rev.-Nr.	DD1/87081D	Material	1:2	Position	-	Menge	-
<b>Antrieb</b> gültig für CO66 HA							
<b>CO66 HA Tz 2</b>							
Datum Bearb. 26.05.1997 Gepr. / Rev. Name				Datum Name Rev. Datum			
1. gültig ab 09.97 2.ust. Änderung				Datum Name Rev. Datum			
EDV-Nr. C:\ORION\KOPF\KOPF\M1				EDV-Nr.			
Bauteil				Blatt			
-				-			
-				17.05.99			

#### 4. Tz 3 – Tractor

Pos.	Qty	Drawing number	Description	Remarks
1	1	Tz 3 T. 1	Tractor	
2	1	Tz 3 T. 2	Gear wheel	
3	1	Tz 3 T. 3	Gear wheel	
4	1	Tz 3 T. 4	Coupling	
5	1	Tz 3 T. 5	Cover	
6	1	Tz 3 T. 6	Bearing cover left	
7	1	Tz 3 T. 7	Bearing cover right	
8	1	Tz 3 T. 8	Spindle ball bearing	
9	1	Tz 3 T. 9	Spindle	
10	1	Tz 3 T. 10	Knurled knob	
11	1	Tz 3 T. 11	Threaded bushing	
12	1		Transport belt	*
13	4		Groove ball bearing	61801-RS1 DIN 625
14	4		Linear bushing N - 8 V	
15	2		ShjaftØ 8 x 80, hardened	
16	1	Tz 3 T. 16	Bushing	
17	1	Tz 3 T. 17	Inflow sheet	
18	1	Tz 3 T. 18	Distance plate	
19	1	Tz 3 T. 19	Inflow sheet	

\* When ordering specify 12,7 mm pitch !



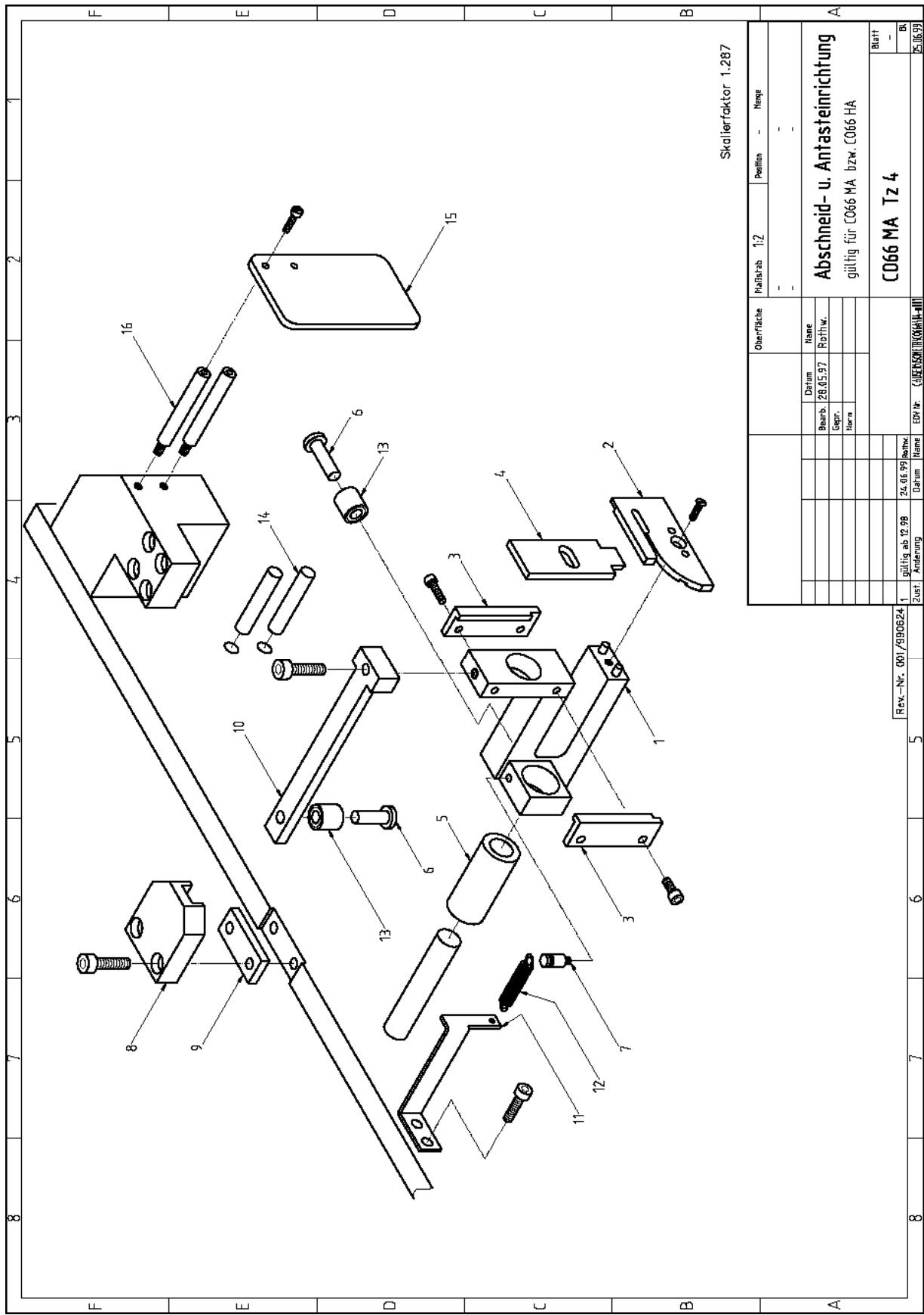


Oberfläche		Maßstab	1:2	Position	-	Menge	-
Bearb.	Datum	Name					
04.03.97		Roßhw.					
Gepr.							
Norm							
Rev.2 gültig ab 04.04.		04.04.01	Roßhw.				
Zust.	Änderung	Datum	Name	EDV-Nr.	GIBSTUEN (04/02/97)		
Rev.-Nr. 002/010404							
		Traktor gültig für C066 MAZ, C066 MA u. C066 HA					
		C066 A Tz 3					
		Baht					
		-					
		BK					

## 5. Tz 4 – Cutting unit and touching unit

Pos.	Qty	Drawing number	Description	Remarks
1	1	Tz 4 T. 1	Tool holder	
2	1	Tz 4 T. 2	Lower kutting knife	
3	2	Tz 4 T. 3	Führungsleiste	
4	1	Tz 4 T. 4	Upper kutting knife	
5	1	Tz 4 T. 5	Sinter bushing	
6	2	Tz 4 T. 6	Shaft	
7	1	Tz 4 T. 7	Spring pin	
8	1	Tz 4 T. 8	Guide Block	
9	1	Tz 4 T. 9	Cleat plate	
10	1	Tz 4 T. 10	Holder	
11	1	Tz 4 T. 11	Angel bracket	
12	1		Spring Z - 042	
13	2		Needle bearing NK 5 / 10	
14	2		Zyl.-shaft 6m6 x 36 DIN 6325	
15	1	Tz 4 T. 15	Cover	
16	2	Tz 4 T. 16	Distance bolt	





Skalierfaktor 1.287

Maßstab	1:2	Position	-	Nenge	-
Oberfläche		Name			
Bearb.		Datum			
Gepr.		28.05.97			
Norm		Rothw.			
Abschneid- u. Antasteinrichtung					
gültig für CO66 MA bzw. CO66 HA					
CO66 MA Tz 4					
Barth					
-					
26.05.99					

Rev.-Nr.	001/490624	Änderung	24.06.99	Barth
Zust.	1	gültig ab 12.98	Datum	Name