



# Turning Device for Concrete Pipes

## UG-6,5

Order-number  
57300030

V1

Serial-number

## 1 Contents

<b>1</b>	<b>Contents</b> .....	<b>2</b>
<b>2</b>	<b>Declaration of Conformity</b> .....	<b>4</b>
<b>3</b>	<b>General</b> .....	<b>6</b>
3.1	Authorized use .....	6
3.2	Survey and construction .....	7
3.3	Technical data .....	7
<b>4</b>	<b>Safety</b> .....	<b>8</b>
4.1	Explanation of basic concepts .....	8
4.2	Definition skilled worker / specialist.....	8
4.3	Safety symbols .....	8
4.4	Safety Marking .....	9
4.5	Personal safety requirements.....	10
4.6	Protective equipment .....	10
4.7	Accident prevention .....	10
4.8	Function Control .....	10
4.8.1	General.....	10
4.8.2	Hydraulic .....	11
4.9	Safety procedures.....	11
4.9.1	General.....	11
4.10	Safety in Hydraulic pressure mode .....	12
4.10.1	Lifting equipment and forklift .....	12
4.11	Overload Protection .....	12
4.11.1	Unauthorized transportations .....	12
4.11.2	Unauthorized alterations .....	12
<b>5</b>	<b>Installation</b> .....	<b>13</b>
5.1	5.1 Mechanical connection.....	13
5.2	Hydraulical connection .....	13
5.3	5.2 Hydraulic connection .....	13
5.4	Warning device.....	14

<b>6</b>	<b>Operating .....</b>	<b>15</b>
6.1	Device operation.....	15
<b>7</b>	<b>Maintenance and care .....</b>	<b>16</b>
7.1	Maintenance.....	16
7.2	Trouble shooting.....	17
7.3	Repairs .....	18
7.4	Safety procedures.....	18
<b>8</b>	<b>Hints to the identification plate .....</b>	<b>19</b>
8.1	Hints to the renting/leasing of PROBST devices .....	19



Bitte beachten Sie, dass das Produkt ohne vorliegende Betriebsanleitung in Landessprache nicht eingesetzt / in Betrieb gesetzt werden darf. Sollten Sie mit der Lieferung des Produkts keine Betriebsanleitung in Ihrer Landessprache erhalten haben, kontaktieren Sie uns bitte. In Länder der EU / EFTA senden wir Ihnen diese kostenlos nach. Für Länder außerhalb der EU / EFTA erstellen wir Ihnen gerne ein Angebot für eine Betriebsanleitung in Landessprache, falls die Übersetzung nicht durch den Händler/Importeur organisiert werden kann.

Please note that the product may not be used / put into operation without these operating instructions in the national language. If you did not receive operating instructions in your national language with the delivery of the product, please contact us. In countries of the EU / EFTA we will send them to you free of charge. For countries outside the EU / EFTA, we will be pleased to provide you with an offer for an operating manual in the national language if the translation cannot be organised by the dealer/importer.

## 2 Declaration of Conformity

**Konformitätserklärung; Declaration of conformity ; Déclaration de Conformité;  
Certificato di conformità ´norme CE; Declaración de conformidad**

**DESCRIPTION:** Turning Device for Concrete Pipes  
UG-6,5

**Hersteller:** **PROBST GREIFTECHNIK VERLEGESYSTEME**

**Manufacturer:** Gottlieb-Daimlerstraße 6  
**Fabricant:** 71729 Erdmannhausen  
**Costruttore:** Probst Greiftechnik Verlegesysteme GmbH  
**Fabricante:** info@probst-gmbh.de www.probst-gmbh.de

### **Einschlägige Bestimmungen, denen die Maschine entspricht:**

Complies with the following provisions applying to it:  
Spécifications respective qui sont conformes à la machine:  
Definizione che sono conformi alla macchina:  
Cumple con las siguientes provisiones aplicables a:

**2006/42/EG (Maschinenrichtlinie)**  
EC-machinery directive 2006/42/EG  
Idée directrice ECdokumne 2006/42/EG  
EG-linea di Guida CE 2006/42/EG  
Directrices de la CE 2006/42/EG

### **Fundstellen der harmonisierten Normen:**

Applied harmonized standards in particular:  
Lieux de découverte des normes harmonisées:  
Luogo di accertamento delle norme armonizzate  
Aplicados en particular los siguientes estándares

**DIN EN 12100-1 2003  
(ISO 12100-1)**

**Sicherheit von Maschinen, Grundbegriffe, allgemeine  
Gestaltungsleitsätze, Teil 1: Grundsätzliche Terminologie,  
Methodik.**

Safety of machinery; Basic concepts, general principles for design,  
Part 1: Basic terminology, methodology.

Sécurité des machines; notions fondamentales, principes  
généraux de conception, Partie 1: terminologie de base,  
méthodologie.

Sicurezza della macchina, nozioni fondamentali, verifica della  
struttura generale, Parte 1: terminologia di base, metodologia.

Seguridad de la maquinaria; conceptos básicos, principios  
generales de diseño, parte 1: terminología básica, metodología.

<b>EN ISO 12100-2 (ISO 12100-2)</b>	<b>2003</b>	<b>Sicherheit von Maschinen, Grundbegriffe, allgemeine Gestaltungsleitsätze, Teil 2: Technische Leitsätze und Spezifikationen.</b> Safety of machinery; basic concepts, general principles for design; Part 2: principles and specifications. Sécurité des machines; notions fondamentales, principes généraux de conception; Partie 2: Principes et spécifications techniques. Sicurezza della macchina, nozioni fondamentali, verifica della struttura generale; Parte 2: principi e specificazioni tecniche. Seguridad de la maquinaria; conceptos básicos, principios generales de diseño, parte 2: principios y especificaciones.
<b>DIN EN ISO 13857</b>	<b>2008</b>	<b>Sicherheit von Maschinen - Sicherheitsabstände gegen das Erreichen von Gefährdungsbereichen mit den oberen u. unteren Gliedmaßen.</b> Safety of machinery — Safety distances to prevent hazard zones being reached by upper and lower limbs Sécurité des machines — Distances de sécurité empêchant les membres supérieurs et inférieurs d'atteindre les zones dangereuses. Sicurezza della macchina — Distanza di sicurezza al fine di evitare pericolo di passaggio sotto e basso carichi sospesi. Seguridad de la maquinaria — Distancia de seguridad con el fin de evitar que las extremidades superiores y inferior del cuerpo alcancen las zonas de peligro.
<b>DIN EN 349 (ISO 13854)</b>	<b>1993 1996</b>	<b>Mindestabstände zur Vermeidung des Quetschens von Körperteilen.</b> Minimum distance to avoid squeezing any parts of the body. Distances minimum afin d'éviter une contusion des parties du corps. Distanza minima al fine di evitare contusioni di parti del corpo. Distancia mínima con el fin de evitar contusiones en cualquier parte del cuerpo.

**Authorized person for EC-dokumentation:**

Name: J. Holderied

Address: Probst Greiftechnik•Verlegesysteme GmbH; Gottlieb-Daimler-Str. 6; D-71729 Erdmannhausen

**Signature:**

Erdmannhausen, 03.12.2010.....

(M. Probst, Managing director)

### 3 General

#### 3.1 Authorized use

- The device (UG6,5) were designed specially for the application on a fork lift.
- The device (UG-6,5) is specially designed for the gentle gripping and turning (at 90°) of gripping goods, such as concrete pipes for outside diameter 400-1800 mm.

Specials:

- Due the large surfaced pressure pads, little pressure is exerted onto the gripping good (concrete pipe), meaning that green gripping goods can be safety handled.
  - Low maintenance polyamide-slide bearings guarantee a optimum sliding of the gripping arms.
  - The parallel movement of the gripping arms means little space is required between the gripping goods.
  - As the gripping goods are turned in a raised position., there is no danger of damaging the joints or the steel pallets
- The device (UG-6,5) is connected with screw- and plug coupling over hydraulic hoses on the hydro-system of the fork lift.
  - Two hydraulic cylinders generate the clamping pressure.
  - As diverse fork lifts have different hydraulic pressures, is the device equipped with an excess pressure valve to avoid excess pressure. This valve is adjusted and sealed by the manufacturer.

**Do not remove the sealing without contact to the manufacturer!**



Prohibition

- The device is only designed for the use specified in this documentation.
- Every other use is not authorized and is forbidden!
- All relevant safety regulations, especially regulations of the declaration of conformity, and additional local health and safety regulations have to be observed.



**The use of this device is only permitted in proximity to the ground.**

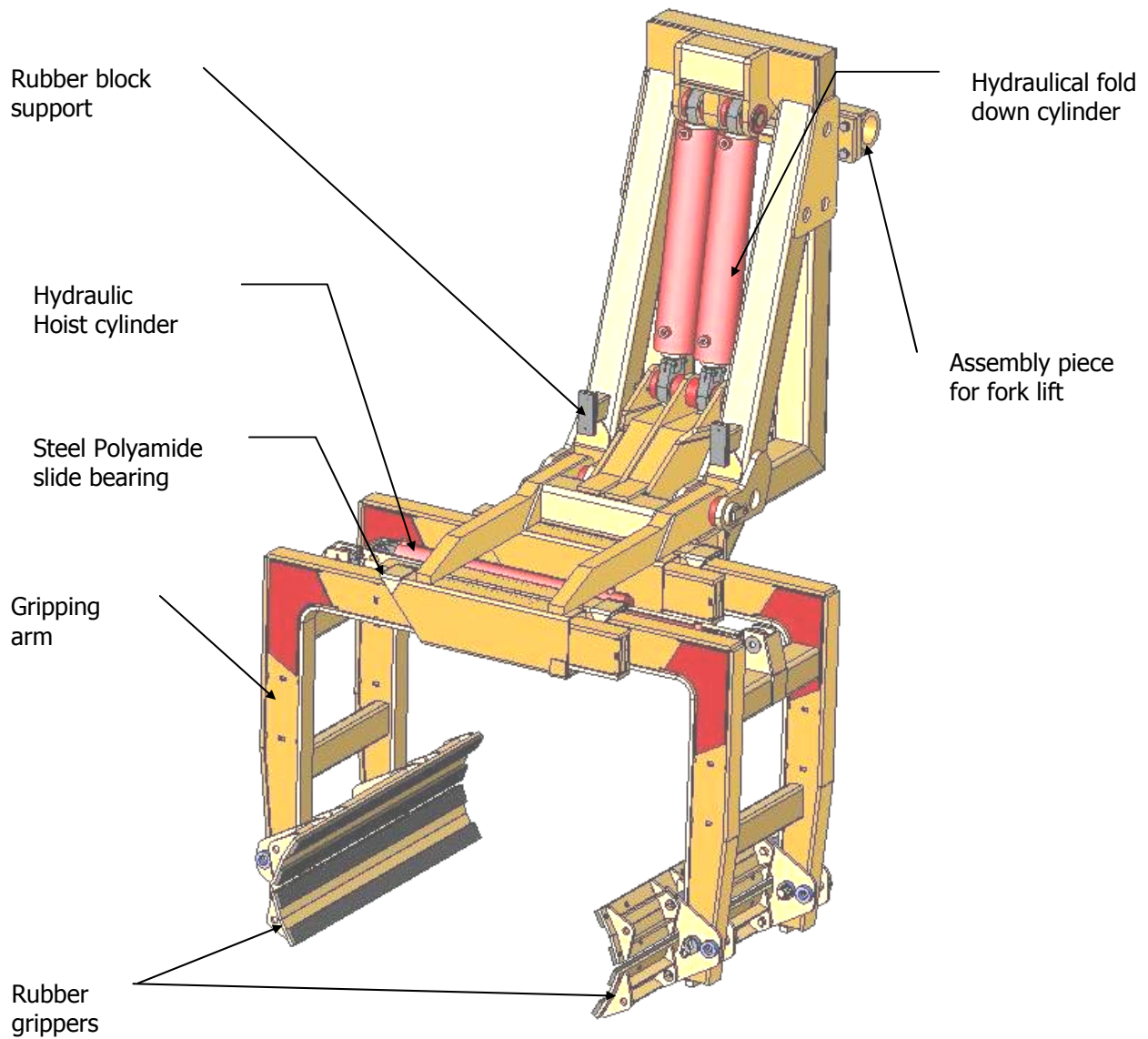


Prior to every operation the user must ensure that:

- the equipment is suited to the intended operation,
- the functioning and the working condition of the equipment is examined,
- the loads are suitable to be handled.

Any doubts about instructions should be raised with the manufacturer prior to use.

### 3.2 Survey and construction



### 3.3 Technical data

Type:	Suitable for outer-Ø	Usual trade opening range (NW)	Carrying capacity	Dead weight
UG-6,5	400-1800 mm (15¾-71")	300 – 1.500 (11¾-59")	6.500 kg (14,300 lbs)	1970 kg (4,350 lbs)



## 4 Safety

### 4.1 Explanation of basic concepts

- **Gripping range:** specify the minimum and maximum product measurements of the gripping good, which can be gripped with this device.
- **Gripping good (s):** is the product, which will be gripped or transported.
- **Opening width:** consists of the gripping range and the measure to drive over the gripping good.  
 *$gripping\ range + measure\ to\ drive\ over\ the\ gripping\ good = opening\ width$*
- **Immersion depth:** is the maximum gripping height of gripping goods, conditional of the height of the gripping arms of the device.
- **Device:** is the description for the gripping device.
- **Product dimensions:** Are the dimensions of the gripping good (e.g. length, breadth, height of the product).
- **Dead weight:** is the own weight (without gripping good) of the device.
- **Load capacity:** specify the maximum possible load of the device (lifting of gripping goods).




### 4.2 Definition skilled worker / specialist

Only skilled workers or specialists is it allowed to carry out the installation,- maintenance, - and repair work on these device!





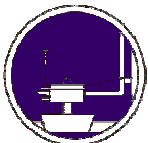

Skilled workers or specialists must have for the following points (if it applies for these device), the necessary professional knowledge.

- for mechanic
- for hydraulics
- for pneumatics
- for electrics

### 4.3 Safety symbols

 <b>Danger</b>	<p><b><u>Danger to life!</u></b> Identifies imminent hazard. If you do not avoid the hazard, death or severe injury will result.</p>
 <b>Attention</b>	<p><b><u>Hazardous situation!</u></b> Identifies a potentially hazardous situation. If you do not avoid the situation, injury or damage to property can result.</p>
 <b>Prohibition</b>	<p><b><u>Prohibition!</u></b> Identifies imminent a prohibition. If you do not avoid the prohibition, death and severe injury, or damage to property will result.</p>

#### 4.4 Safety Marking

WARNING SIGN			
Symbol	Meaning	Order-No.:	Size:
	It is not allowed to be under a forklift truck while load is lifted.	2904.0182	150 mm
	The transportation of non rectangular goods is not allowed!	2904.0219 2904.0218 2904.0217	30 mm 50 mm 80 mm
	Do not lift any components off-centre.	2904.0216 2904.0215 2904.0214	30 mm 50 mm 80 mm
WARNING SIGN			
Symbol	Meaning	Order-No.:	Size:
	Danger of pinching the hands.	2904.0221 2904.0220 2904.0107	30 mm 50 mm 80 mm
REGULATORY SIGN			
Symbol	Meaning	Order-No.:	Size:
	Be sure that the fork sleeves are mechanically fixed to the lifting device.	2904.0224 2904.0223 2904.0222	30 mm 50 mm 80 mm
	Read operating instructions before operating.	2904.0366 2904.0365	30x57 mm 50x95 mm

## 4.5 Personal safety requirements

- Only qualified, authorized certificated personal is allowed to operate the device and all devices which are connected (lifting equipment).



- Each operator must have read and understood the operating instructions.
- The manual guiding is only allowed for machines with handles.



## 4.6 Protective equipment

The protective equipment must consist, according to the safety regulations of the following parts:

- Protective clothing
- Safety gloves
- Safety shoes

## 4.7 Accident prevention



Danger

- The operating range have to be covered for unauthorized persons, especially children.
- The workplace have to be sufficiently illuminated.



Attention



Danger

- Take care handling wet, dirty and not solidified components.
- Take care in case of thunderstorm!



Prohibition

- The working with the device in case of atmospheric editions under 37,5° F is forbidden!  
Because the goods could be fall down caused by dampness or freezing.

## 4.8 Function Control

### 4.8.1 General

- Before using the device check the functions and the working condition.
- Maintenance and lubrication are only permitted when device is shut down!
- Do not use the device, until all faults which can cause safety hazards are removed.
- If there are any cracks, splits or damaged parts on any parts of the device, **immediately** stop using it.
- The operating instructions must be available at the workplace every time.
- Do not remove the data-plates of the machine.
- Unrecognisable data-plates must be replaced.

## 4.8.2 Hydraulic

- Check all hydraulic hoses and connection for tightness. Only experts are allowed to replace faulty parts ( depressurized)
- Ensure a clean working environment before opening the hydraulic connection.
- The hydraulic hoses must be free of breaks and abrasion. Take care that there are no outstanding edges, where the hoses could hook in.

**The operator of the device is responsible for a constant line pressure, which is necessary for the working with this device.**

**Only under these conditions is a safety gripping, lifting and transporting of the gripping goods with this device ensured.**

## 4.9 Safety procedures

### 4.9.1 General



Danger

- The use of the device is only permitted in proximity to the ground. Do not swing it over peoples heads.



Prohibition

- While using the device is the stay of persons in the working area forbidden. Except it is indispensable. Caused of the way of using the device, e.g. if the device must be leaded by hand.



Prohibition

- While using the device be sure that there are no persons in the working area. ***Danger to Life!***
- The operator is not allowed to leave the control unit as long as the device loaded with load. The load must always be in the range of vision of the operator.
- The manual guiding of is only allowed for devices with handles.



Danger

- The device must never be subjected to a force acting in a lateral direction due to diagonal pulling.

- Do not use the device to jerk seized products.

- Do not lift any components off-centre, because that could fall down.

- The device should not be opened if the opening path of the gripping arm is blocked by a resistance (e.g. other concrete blocks or the like)!



Prohibition

- **The capacity and the nominal width of the device are not allowed to cross over.**

- **The jerky lifting and lowering of the device with and without load. e.g. caused through driving fast with the support frame/lifting device over uneven grounds is forbidden. Because the gripping good could fall down. Unchecked movements of the device.**

## 4.10 Safety in Hydraulic pressure mode

The best gripping power will be achieved if the control lever is holding 2 more seconds after the gripping (closing action). Subsequent the control lever must be moved back in the neutral position.

**This valve is adjusted and sealed by the manufacturer. Do not remove the sealing without contact to the manufacturer.**

### 4.10.1 Lifting equipment and forklift

- The lifting equipment / forklift including truss has to be in good, safe working condition.
- Take care that the maximum capacity of the lifting equipment / fork lift is not exceeded!
- Only authorized, certificated and qualified personnel is allowed to operate the lifting equipment / fork lift.
- The operator staff must have all the necessary qualifications.

## 4.11 Overload Protection

As diverse fork lifts have different hydraulic pressures, is the device equipped with an excess pressure valve to avoid excess pressure.

This valve is adjusted and sealed by the manufacturer.



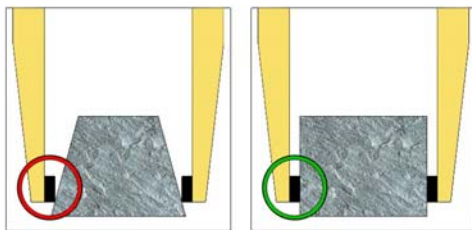
Prohibition

**Do not remove the sealing without contact to the manufacturer!**

### 4.11.1 Unauthorized transportations



**All unauthorized transportations with the device are not allowed!**



- Transportation of people and animals.
- Transportation of other loads and material than described in this manual.
- Transportation of **non rectangular** gripping goods, because they could fall down. (→ Fig. 1)
- Never suspend any goods with ropes, chains or similar at the device.
- Gripping of gripping goods with packaging foil, because they could fall down.
- Transportation of material with "feet", "bellies" and "blind spacers".

Fig. 1

### 4.11.2 Unauthorized alterations



Prohibition

**All unauthorized alterations of the device and the use of any self-made additional equipment could cause danger and are therefore forbidden!!**

## 5 Installation

### 5.1 5.1 Mechanical connection

Fix the brackets on the plate of the device.

Position the assembly plate of the fork lift beyond the bracket of the device .

Take care that the maximum capacity of the fork lift through the load of the attachment and the load of the gripping good is not exceeded!

Fix the bottom bracket on the assembly plate, by tightening the screws of the bracket , the attachment will be fixed to the assembly plate.

### 5.2 Hydraulic connection

Connection load:	optimum	minimum	maximum
Throughput rate in l/min (supporting device)	25	15	75
Operating pressure in bar (supporting device)	200	200	250
Pressure head in retraction in bar	0	0	5

### 5.3 5.2 Hydraulic connection

To avoid malfunction of the device check all the hydraulic connections before starting the to work.

- For the actions „device open and close" and "gripping good mounting and folding down" are two separate hydraulic circuits are required
- Is there only one (two) hydraulic circuit on the lifting apparatus, you can split one of the circuits by using a electromagnetic valve ELM-V.
- The connectors of the left side (in travelling direction) are for the hydraulic circuit "Setting-up" and "Laying down".
- The connectors of the right side (in travelling direction) are for the hydraulic circuit "Open" and "Close".
- According to the attached hydraulic system schematic is in the cycle of " open and close" a valve block inserted, which prevents at pressure loss, over a back-pressure valve that the gripping good (concrete pipe) can not slips from the grappling arms.
- According to hydraulic circuit diagram there is a valve block in the circuit "Open / Close", which ensures that the gripping good do slide of the grappling arms at pressure loss.

## 5.4 Warning device

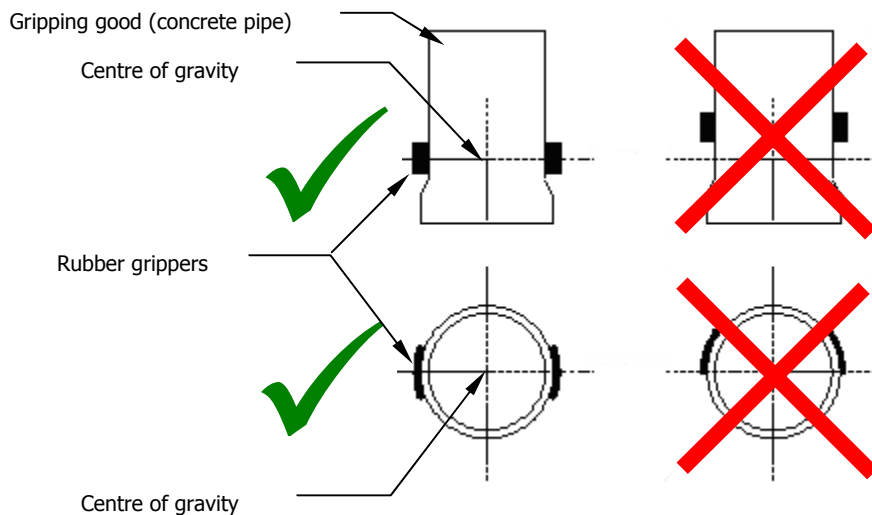
A visual warning device for pressure loss is at the driver seat, in direction of travelling installed.



Do not grip gripping goods (concrete pipes) off-centre!



It is not allowed to grip conical gripping goods, only cylindrical, because they could slip off! Gripping goods have always to be gripped in the centre of gravity, gripping jaws never be positioned outside of the centre of gravity!



New (fresh produced) concrete elements have to be cured enough to resist the necessary gripping force.

## 6 Operating

### 6.1 Device operation



It is not allowed to grip conical gripping goods, only cylindrical, because they could slip off!  
Gripping goods have always to be gripped in the centre of gravity, gripping jaws never be positioned outside of the centre of gravity!

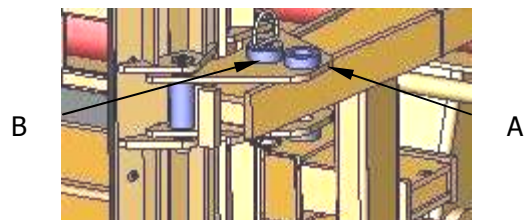


**Concrete pipes with outer- $\varnothing$  400 mm**

Position the socket pins into the rear hole (A) on rubber grippers and secure them.

**Betonrohre mit Außen- $\varnothing$  >400 mm**

Position the socket pins into the front hole (B) on rubber grippers and secure them.



- Beim ersten Einsatz langsam an das Gerät (UG 40/180-6,5) herantasten.
- Die Funktionen "Öffnen, Schließen, Aufstellen und Umlegen" des Gerätes werden mittels der am Gabelstapler befindlichen Ventilsteuerhebel betätigt.
- Die Funktionen erfolgen solange, wie die Ventilsteuerhebel betätigt werden.
- On the first use, feel your way slowly with the device (UG 40/180-6,5).
- The functions "Open, Close and Turn" of the device (UG 40/180-6,5), are activated by means of the valve control lever located on the fork lift.
- The Close, Open and turning movements take place so long as the valve control lever is operated.
- Under no circumstances should the spring loaded returning control lever be released quickly. One should return it slowly to its original position, because pressure surges may occur in forward and backward movements, which may lead to slackening of the tension.
- **Carefully** drive with the fork lift onto the gripping goods, operate the valve control lever in order to opened the gripping arms of the device.
- **Carefully** grip the gripping goods by operating the valve control lever into the position to close the gripping arms.
- Turn the gripping goods by operating the appropriate valve control lever.
- Drive the gripping goods securely to the next destination and set them down carefully.
- Open the gripping arms of the device by operating the appropriate vale control lever.
- By setting down and picking up of the gripping goods make sure there is **enough clearance** between the products at the side in order to have access with the gripping arms.





## 7 Maintenance and care

### 7.1 Maintenance



To ensure the correct function, safety and service life of the device the following points must be executed in the maintenance interval.

Used **only original spare parts**, otherwise the warranty expires.



**For all operations you have to make sure, that the device will not close unintended. Danger of injury!!!**



**All operations may only be made in unpressurised, electro less and closed state of the device!**

#### MECHANICAL

##### Service interval

First inspection after  
25 operating hours

After 50 operating hours

Minimum 1x per year  
(at rough conditions  
shorten the interval)

##### Maintenance work

- Control and tighten all screws and connection.  
(The implementation is only allowed by an expert).
- Tighten all screws and connection (Take care that the tightening torques according to the property class of the screws are observed).
- Check all joints, bolts, guidance's and gears for correct function, if necessary adjust or replace it.
- Check all Grippers ( if available) for signs of wear.
- Grease all slidings ( if available) when the device is in opened position with a spatula.
- Check of all the suspension parts, bolts and straps. Check for corrosion and safety by an expert.

#### HYDRAULIC

##### Service interval

First inspection after  
25 operating hours

After 50 operating hours

##### Maintenance work

- Control and tighten all hydraulic thread joints and connection.  
(The implementation is only allowed by an expert).
- Tighten all hydraulic connections.
- Check the hydraulic system for leaks.
- Check the hydraulic oil filter, clean it if necessary (if available).
- Check the hydraulic oil and replace it in accordance to the manufacturer information.
- Check the hydraulic hoses for breaks and abrasion.

## 7.2 Trouble shooting

ERROR	CAUSE	REPAIR
<b>The clamping-power is not big enough, the load is slipping out</b>		
(optional)	<ul style="list-style-type: none"> <li>The grippers are worn</li> </ul>	<ul style="list-style-type: none"> <li>Replace the grippers</li> </ul>
(optional)	<ul style="list-style-type: none"> <li>The maximum load is exceed</li> </ul>	<ul style="list-style-type: none"> <li>Reduce the weight of. the load</li> </ul>
(Adjustment of the opening width) (optional)	<ul style="list-style-type: none"> <li>The actual opening width is not correct</li> </ul>	<ul style="list-style-type: none"> <li>Adjust the opening width according to the load you want to transport</li> </ul>
(Pneumatics / Hydraulics) (optional)	<ul style="list-style-type: none"> <li>The working pressure is not big enough</li> </ul>	<ul style="list-style-type: none"> <li>Adjust the working pressure (see technical data)</li> </ul>
(Electrics) (optional)	<ul style="list-style-type: none"> <li>The electric motor is faulty.</li> </ul>	<ul style="list-style-type: none"> <li>Check the electric motor</li> </ul>
(Property of material)	<ul style="list-style-type: none"> <li>The surface of the material is dirty or the material is not suitable / allowed for this device.</li> </ul>	<ul style="list-style-type: none"> <li>Check the surface of the material or ask the manufacturer, if you the material is allowed for this device.</li> </ul>
<b>The clamping-power is fading</b>		
(Pneumatics / Hydraulics) (optional)	<ul style="list-style-type: none"> <li>The system is not tight</li> </ul>	<ul style="list-style-type: none"> <li>Check all Connections , fittings, pipes and hoses.</li> </ul>
	<ul style="list-style-type: none"> <li>The cylinder can not control the pressure.</li> </ul>	<ul style="list-style-type: none"> <li>Check the seal kits of the cylinders</li> </ul>
	<ul style="list-style-type: none"> <li>The valves are faulty.</li> </ul>	<ul style="list-style-type: none"> <li>Check the valves</li> </ul>
<b>Unbalanced load</b>		
	<ul style="list-style-type: none"> <li>The device is not loaded symmetrically</li> </ul>	<ul style="list-style-type: none"> <li>Adjust the position of the load</li> </ul>
(Adjustment of the opening width) (optional)	<ul style="list-style-type: none"> <li>The adjustment of the opening width is not symmetrical.</li> </ul>	<ul style="list-style-type: none"> <li>Correct the adjustment of the opening width</li> </ul>
<b>The gripping arms are not working synchronous</b>		
(Rack gear adjustment) (optional)	<ul style="list-style-type: none"> <li>The rack gear adjustment is faulty</li> </ul>	<ul style="list-style-type: none"> <li>Check the rack gear adjustment and repair it</li> </ul>
(Pneumatics / Hydraulics) (optional)	<ul style="list-style-type: none"> <li>The dividing valve is faulty</li> </ul>	<ul style="list-style-type: none"> <li>Check the dividing valve</li> </ul>



## 8 Hints to the identification plate



Type, serial-number and production year are very important for the identification of your device. If you need information to spare-parts, warranty or other specific details please refer to these information.

The max. carrying capacity is the maximum load which can be handled with the device. Do not exceed this carrying capacity.

If you use the device in combination with other lifting equipment (Crane, chain hoist, forklift truck, excavator) consider the deadweight of the device

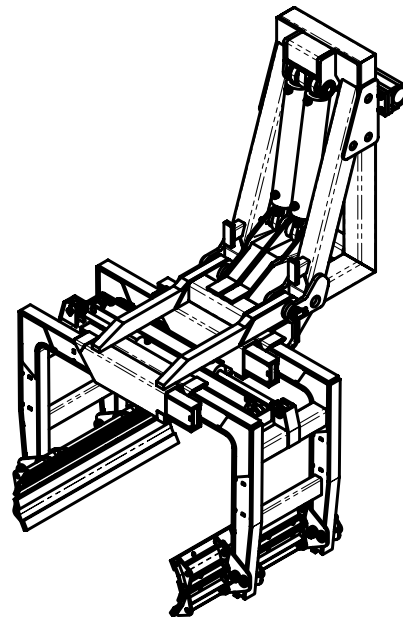
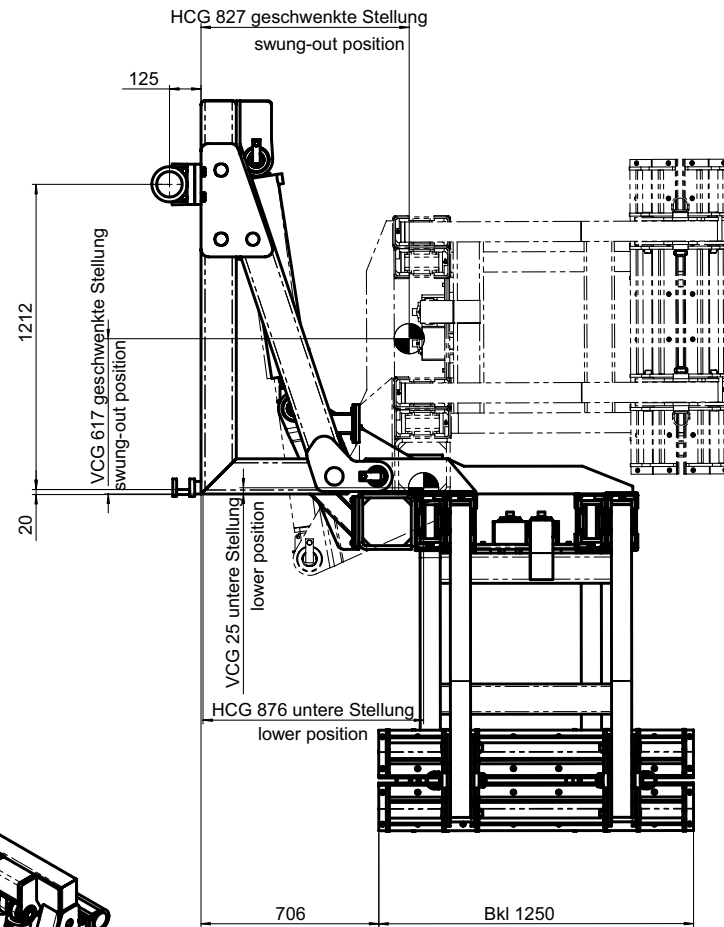
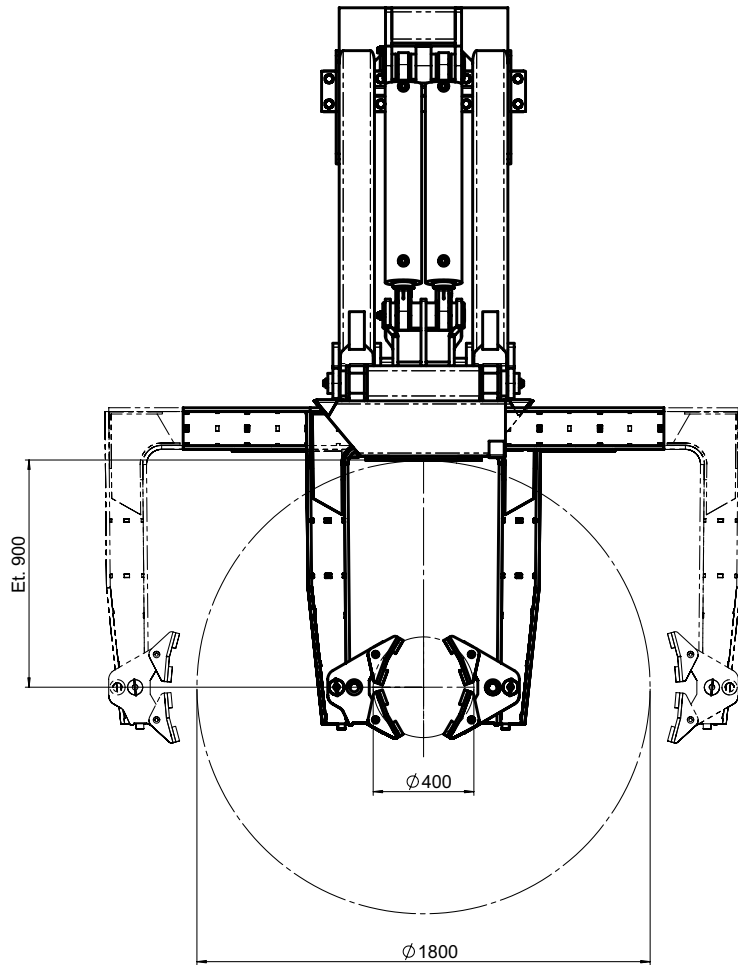


Example:

### 8.1 Hints to the renting/leasing of PROBST devices

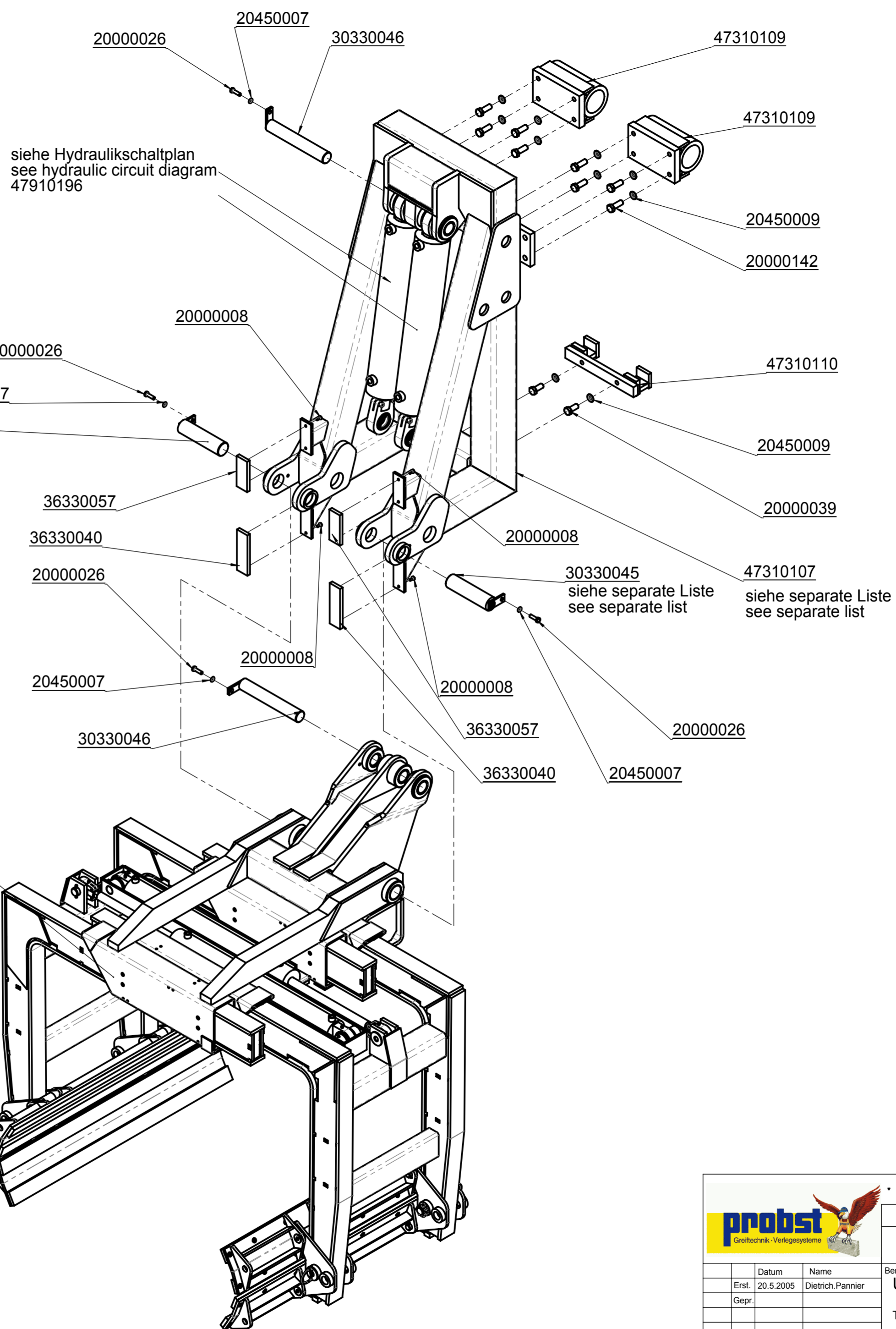
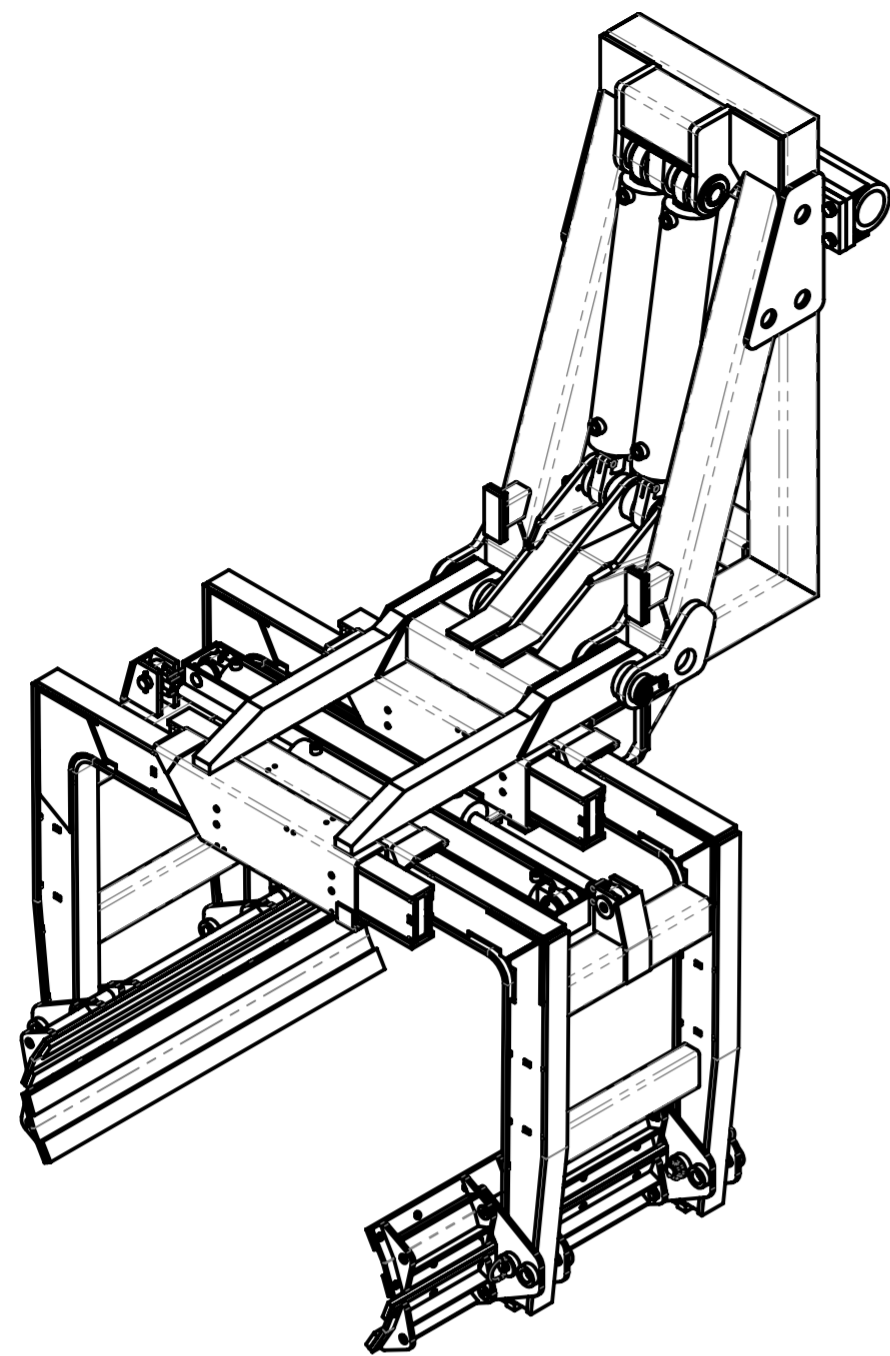


With every renting/leasing of PROBST devices the original operating instructions must be included unconditionally (in deviation of the users country's language, the respective translations of the original operating instructions must be delivered additionally)!



Tragfähigkeit: 6500 kg  
load capacity: 6500 kg

		Bei Änderungen Rücksprache TB !	
		Gewicht: 1975,3 kg	
Schutzvermerk nach DIN 34 beachten! Nachdruck nur mit unserer Genehmigung!		Benennung	
Umlagegerät UG 40/180-6,5		NW 300-1500	
Tragfähigkeit 6500 kg		Artikelnummer/Zeichnungsnummer	
D57300030		Blatt 1 von 1	
Zust. Urspr.		Ers. f. Ers. d.	



47310103  
siehe separate Liste  
see separate list

Bei Änderungen Rücksprache TB !

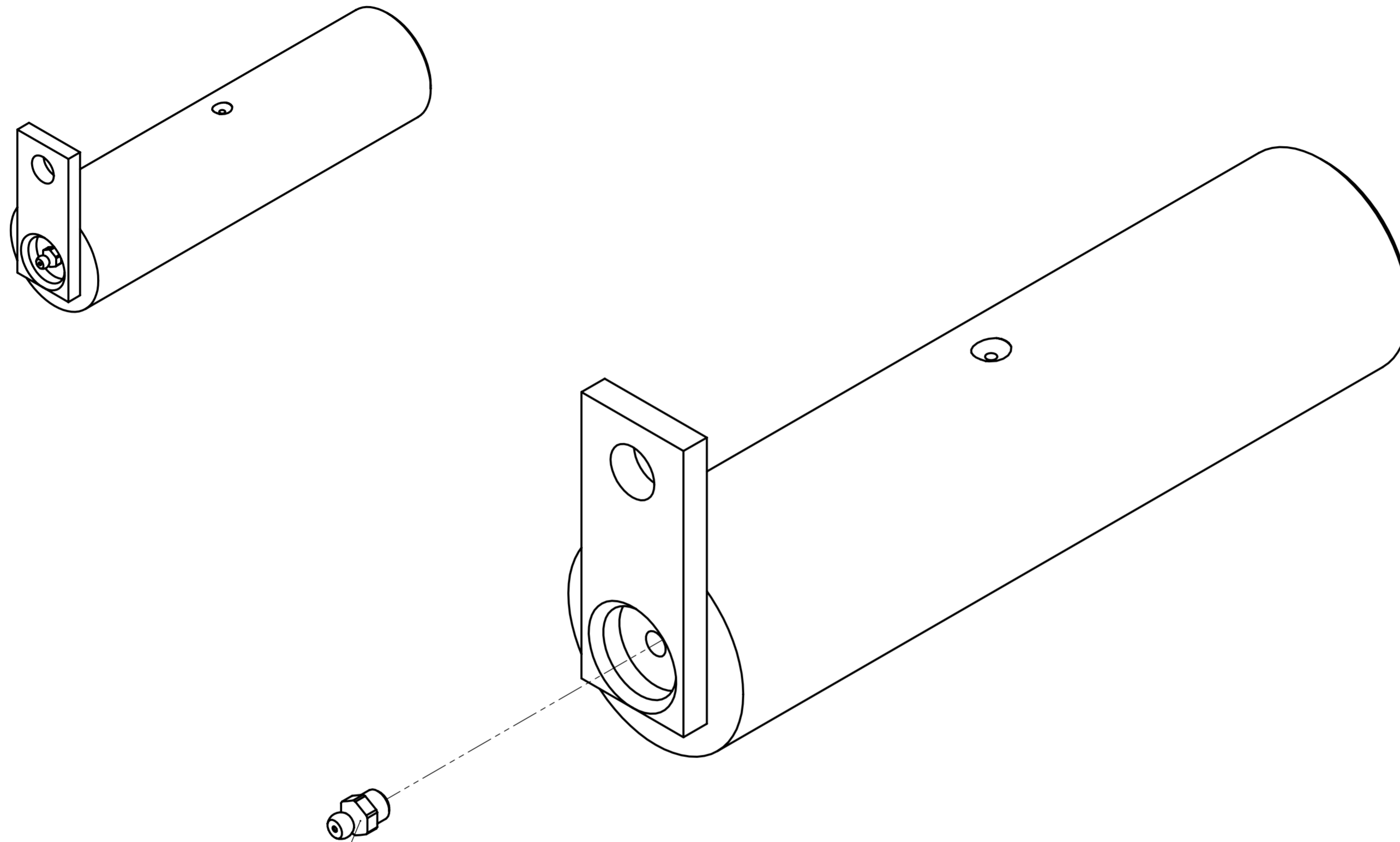
**probst**  
Greiftechnik - Verlegesysteme

Gewicht: 1973,6 kg

Schutzvermerk nach DIN 34 beachten!  
Nachdruck nur mit unserer Genehmigung!

	Datum	Name	Benennung
Erst.	20.5.2005	Dietrich.Pannier	Umlegegerät UG 40/180-6,5
Gepr.			NW 300-1500
			Tragfähigkeit 6500 kg
WA:			Artikelnummer/Zeichnungsnummer
Kunde:			E57300030
Zust.	Urspr.	Ers. f.	Ers. d.

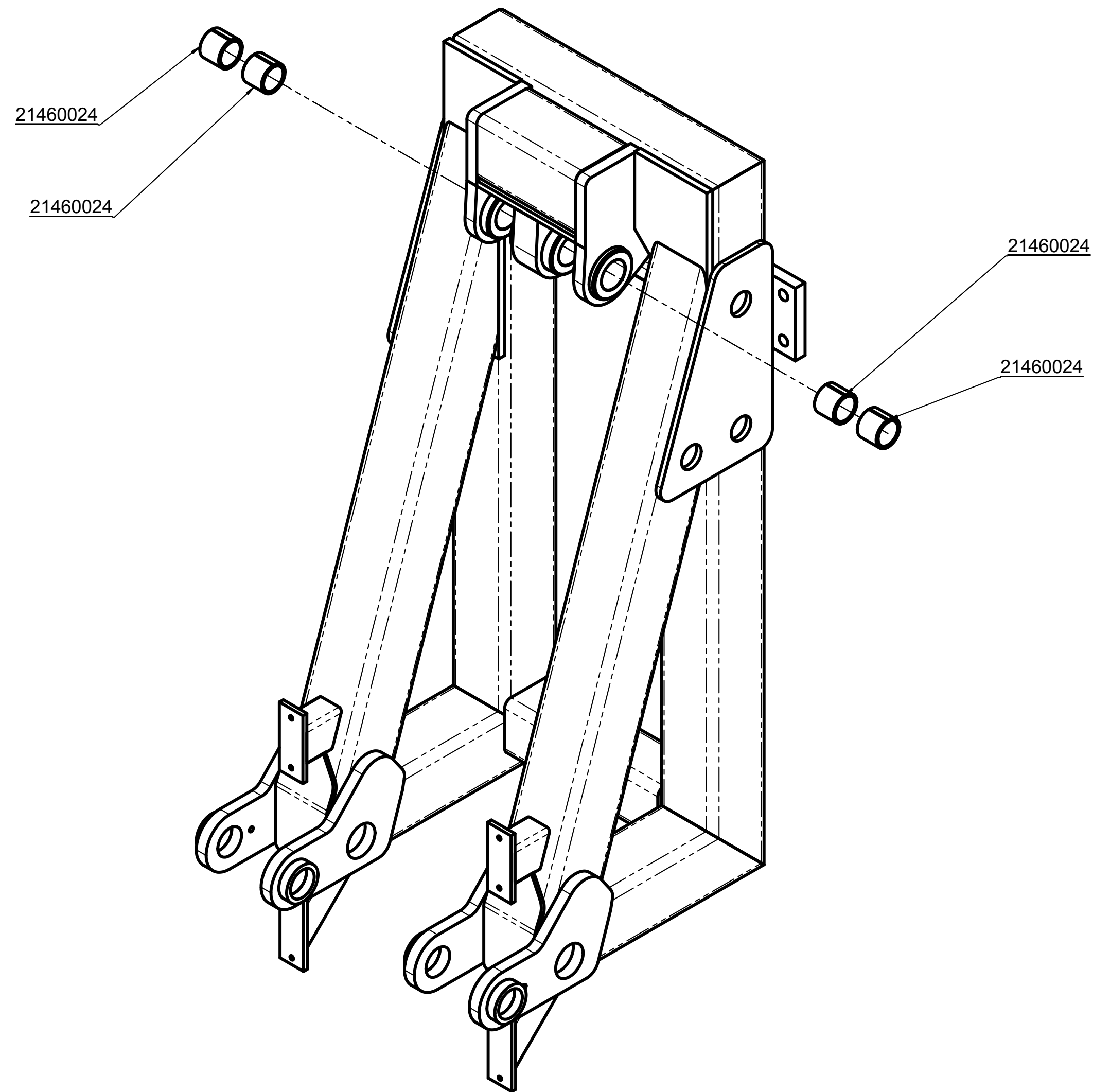
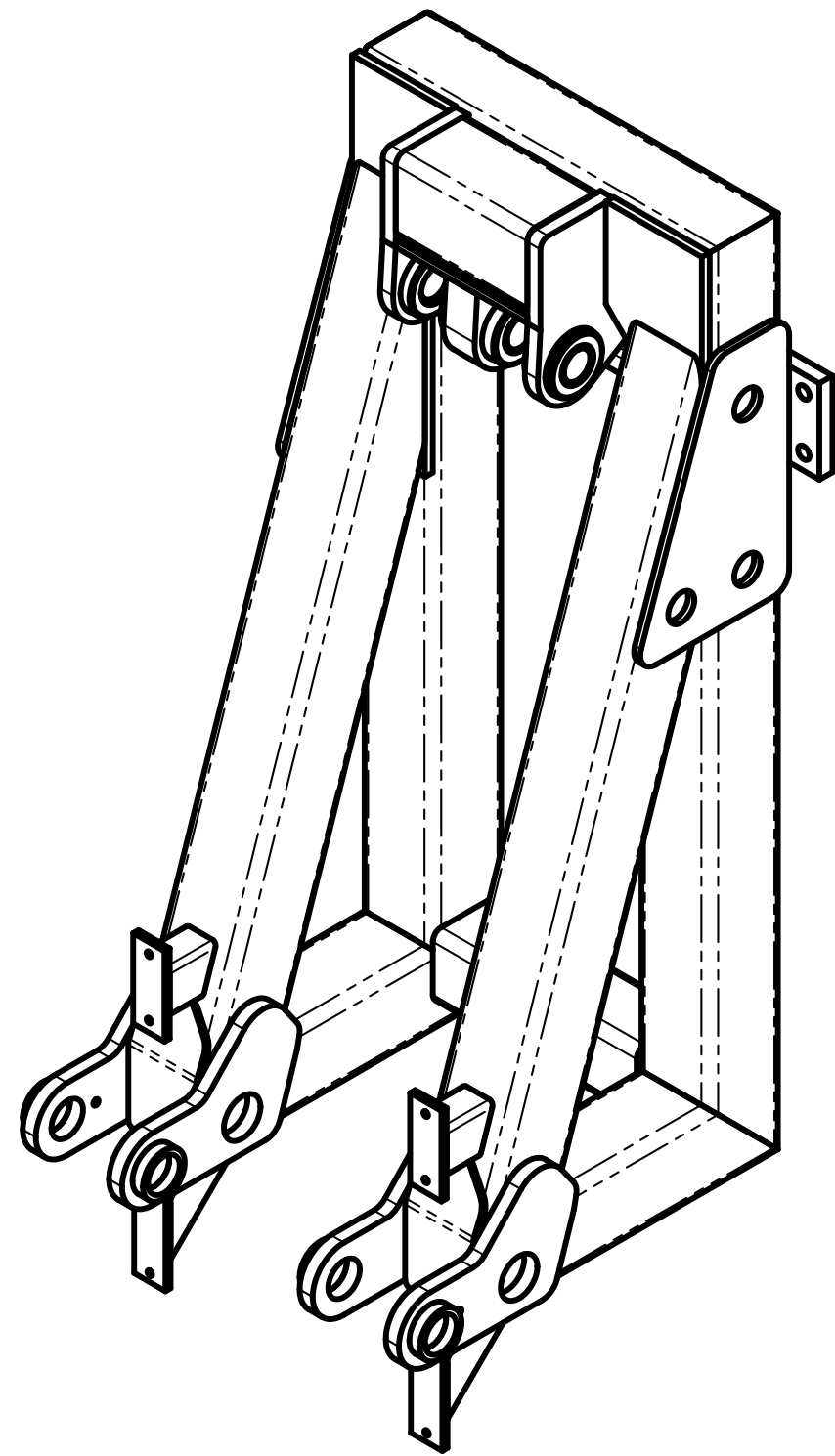
Blatt 1 von 1



20900013

			Bei Änderungen Rücksprache TB !		
			Gewicht: 5,2 kg		
			Schutzvermerk nach DIN 34 beachten! Nachdruck nur mit unserer Genehmigung!		
	Datum	Name	Benennung		
Erst.	4.10.2010	P.Hafenbrak	Bolzen mit Arretierschraube Dm 60x230 - M12 Arretierung und Schmierbohrung BA60230		
Gepr.					
	WA:		Artikelnummer/Zeichnungsnummer		Blatt
	Kunde:		E30330045		1
1	Zust.	Urspr.	Ers. f.	Ers. d.	von 1





Bei Änderungen Rücksprache TB !

**probst**  
Greiftechnik - Verlegesysteme

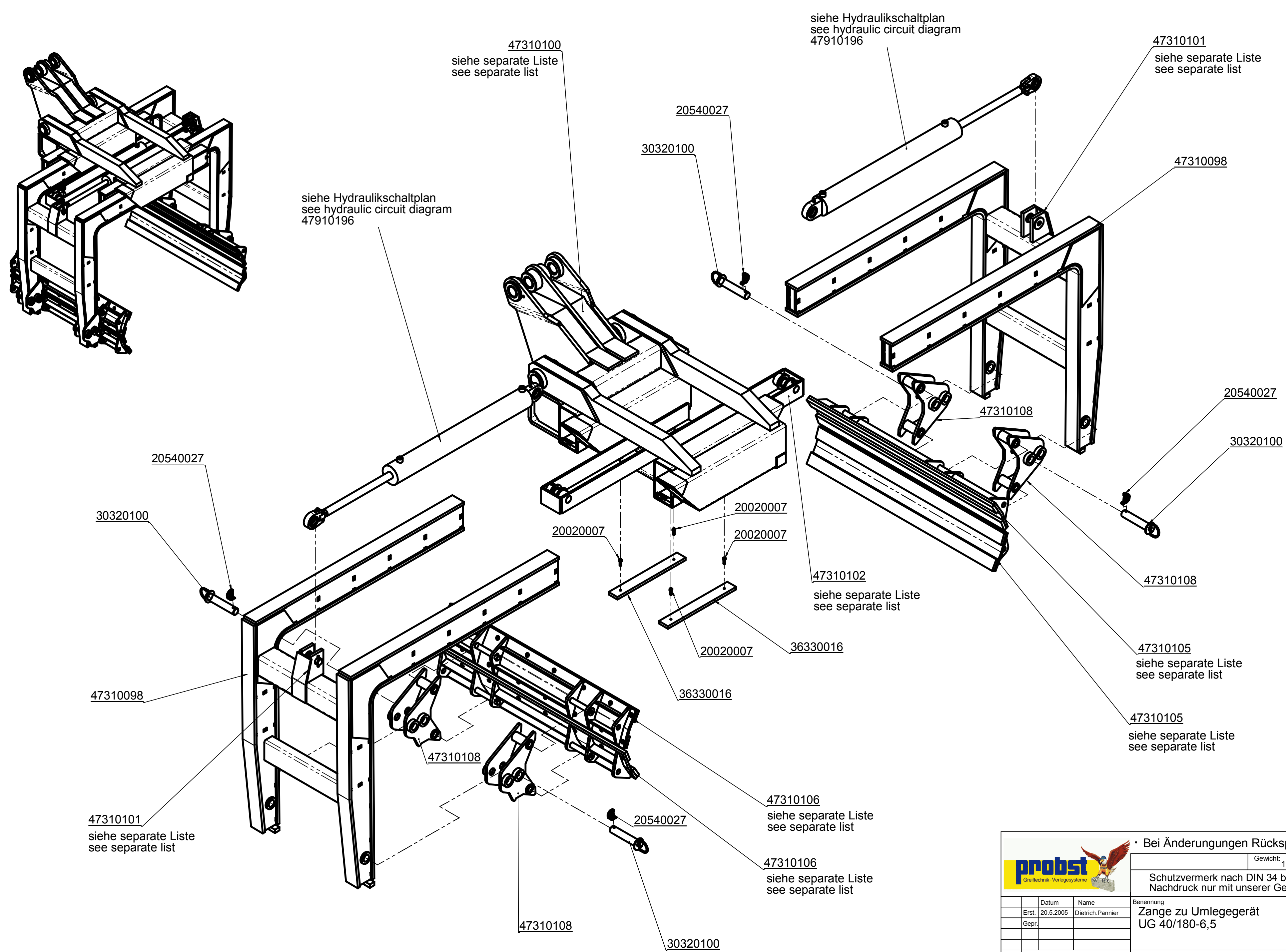
Gewicht: 388,0 kg

Schutzvermerk nach DIN 34 beachten!  
Nachdruck nur mit unserer Genehmigung!

Benennung	
Erst.	19.5.2005
Gepr.	
Datum Name	
Erst. 19.5.2005 Dietrich.Pannier	
Gepr.	
Benennung	
Umlegeeinheit zu	
Umlegegerät UG 6,5	
mit Aufnahme an Linde Stapler H140	
WA:	Artikelnummer/Zeichnungsnummer
Kunde:	E47310107
Zust.	Urspr.
Ers. f.	Ers. d.

Blatt 1 von 1





Bei Änderungen Rücksprache TB !

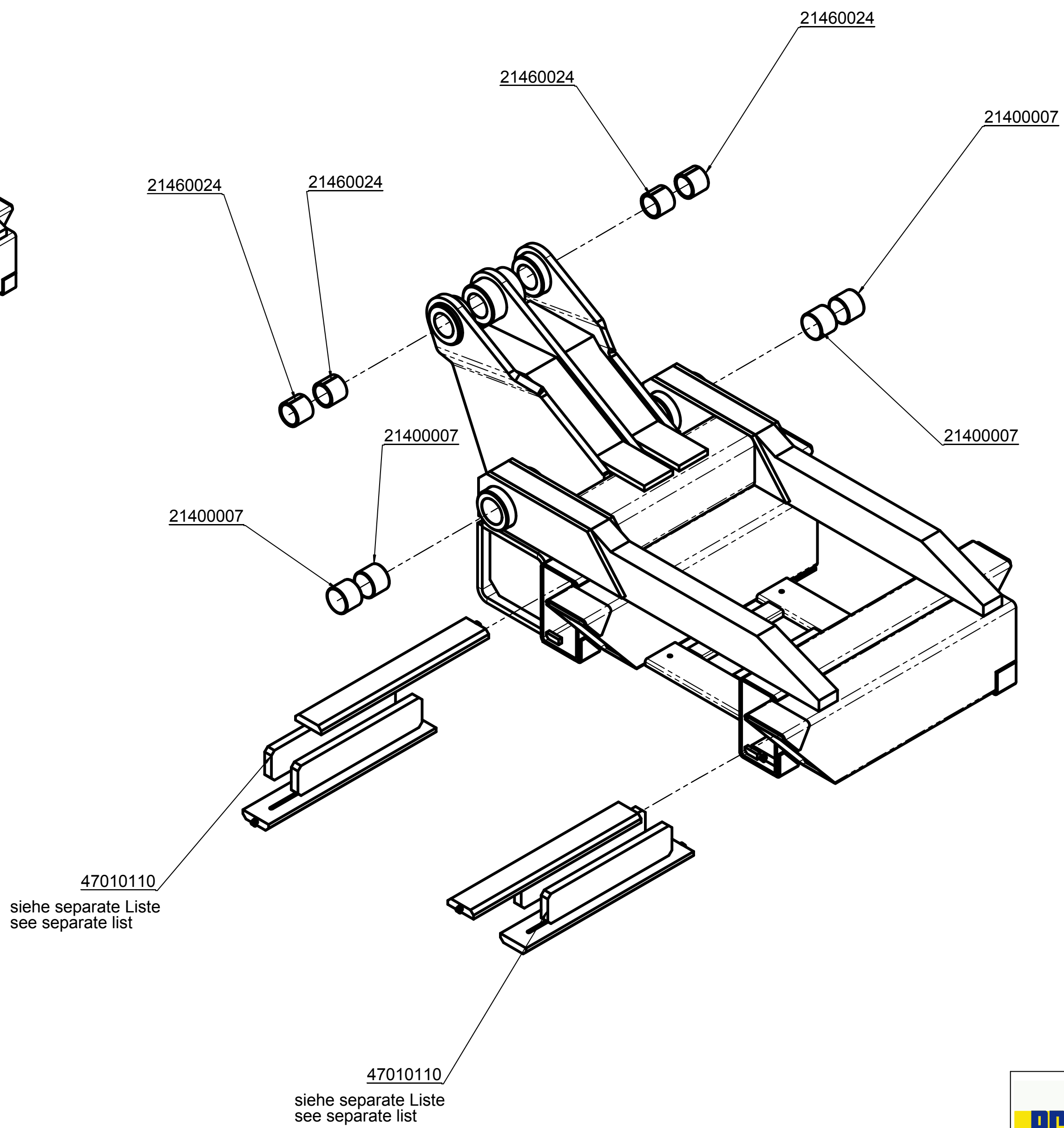
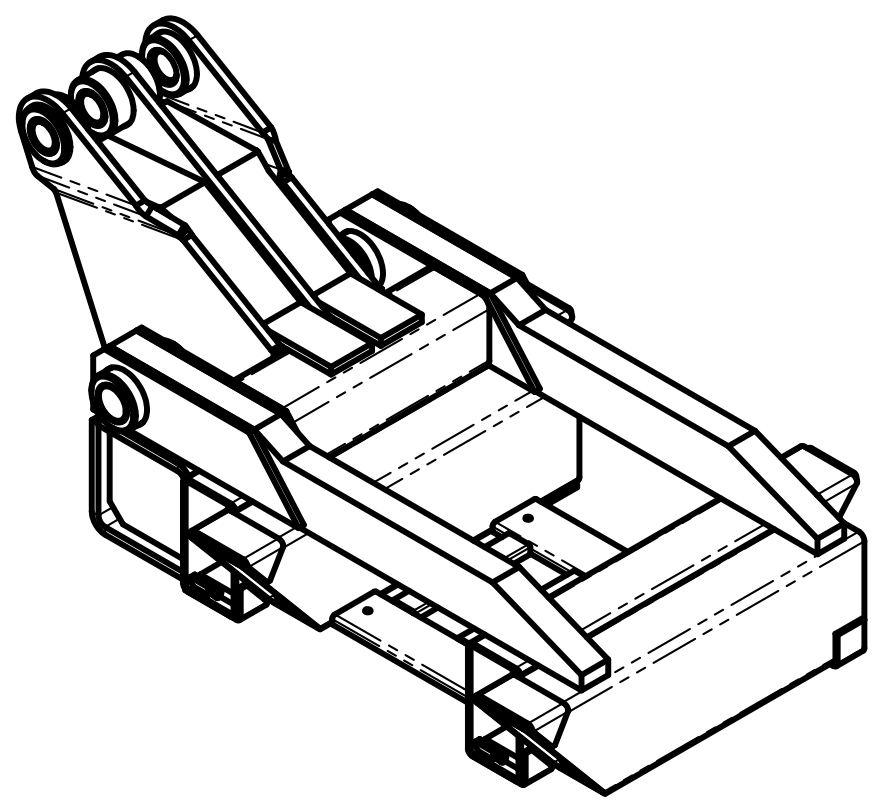
**probst**  
Greiftechnik · Verlegesysteme

Gewicht: 1354,4 kg

Schutzvermerk nach DIN 34 beachten!  
Nachdruck nur mit unserer Genehmigung!

Benennung		Zange zu Umlegegerät UG 40/180-6,5	
Erst.	20.5.2005	Name	Dietrich.Pannier
WA:		Artikelnummer/Zeichnungsnummer	
Kunde:		E47310103	
Zust.	Urspr.	Ers. f.	Ers. d.

Blatt 1 von 1



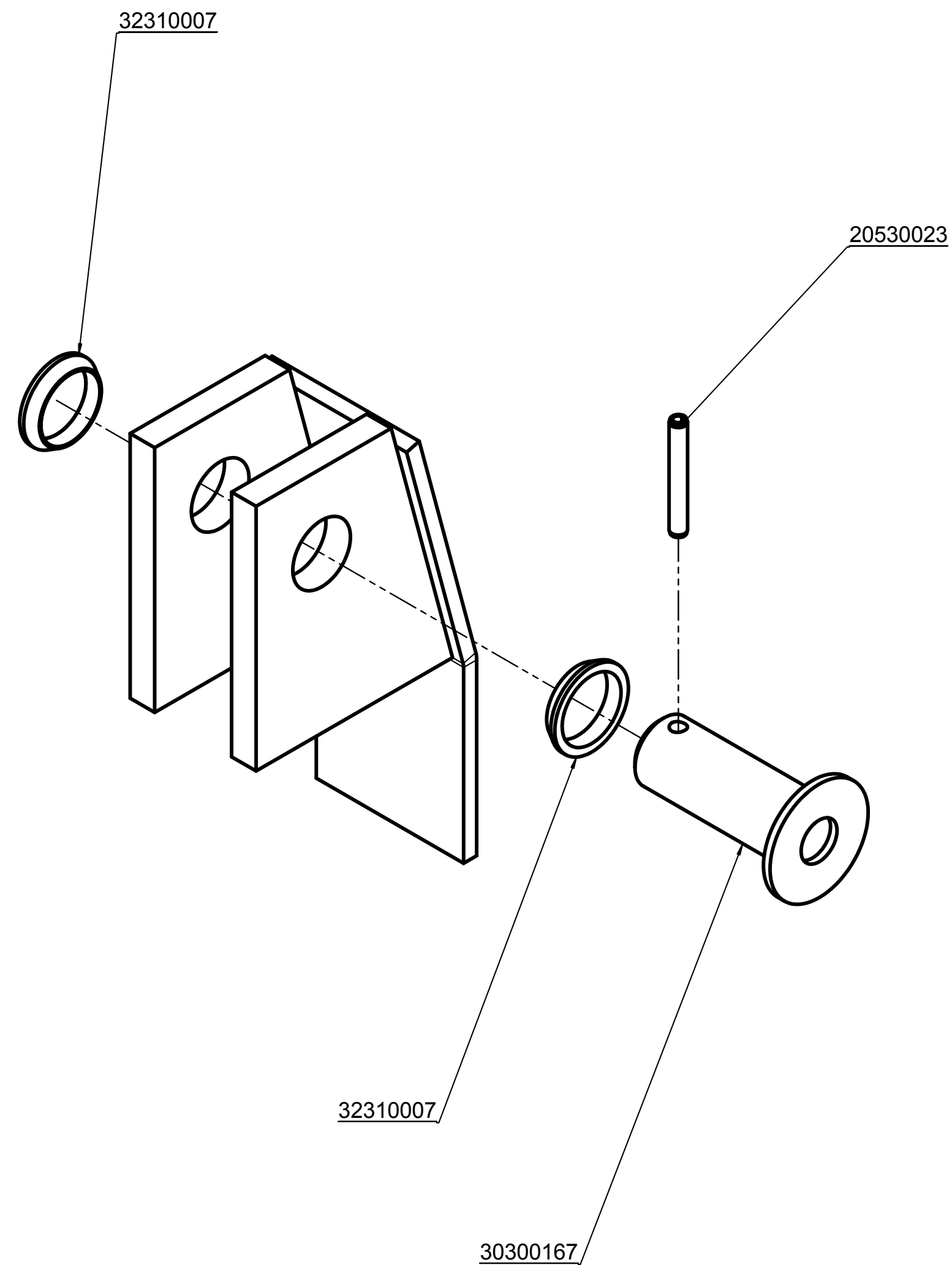
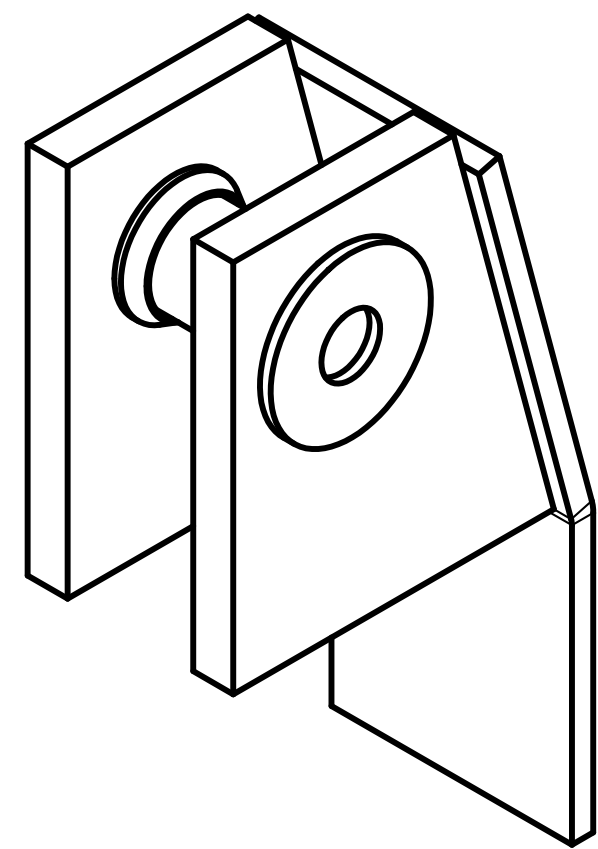
Bei Änderungen Rücksprache TB !

**probst**  
Greiftechnik - Verlegesysteme

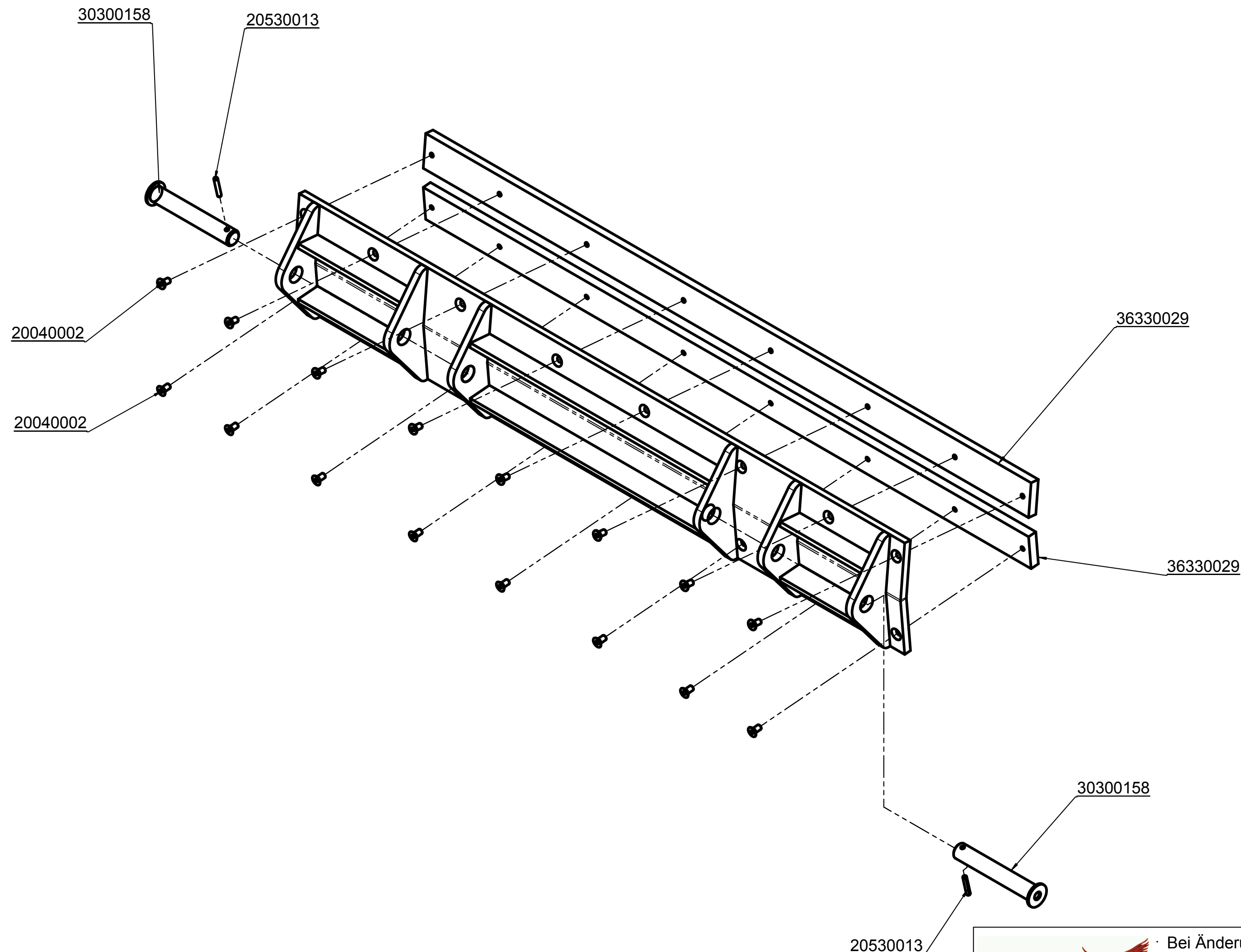
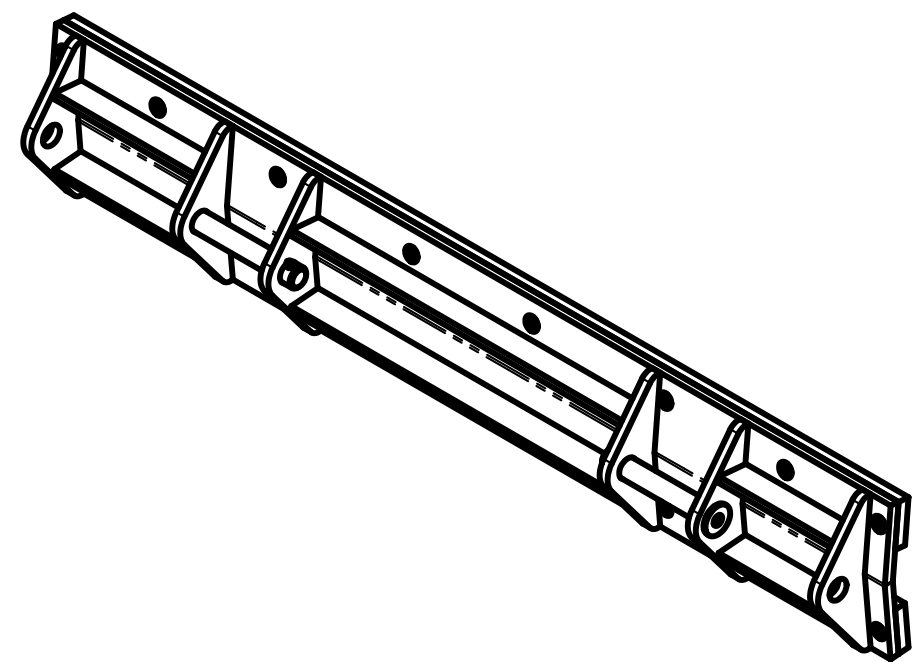
Gewicht: 434,9 kg

Schutzvermerk nach DIN 34 beachten!  
Nachdruck nur mit unserer Genehmigung!

	Datum	Name	Benennung <b>Zangenhaupt zu Umlegegerät UG 6,5 a=500</b>	
Erst.	19.5.2005	Dietrich.Pannier		
Gepr.				
WA:			Artikelnummer/Zeichnungsnummer <b>E47310100</b>	
Kunde:				
Zust.	Urspr.	Ers. f.	Ers. d.	Blatt 1 von 1



		Bei Änderungen Rücksprache TB !	
		Gewicht: 5,2 kg	
		Schutzvermerk nach DIN 34 beachten! Nachdruck nur mit unserer Genehmigung!	
	Datum	Name	Benennung
Erst.	19.5.2005	Dietrich.Pannier	HD-Zylinderaufhängung zu Umlegegrät UG 40/180-6,5
Gepr.			
WA:		Artikelnummer/Zeichnungsnummer	
Kunde:		E47310101	
Zust.	Urspr.	Ers. f.	Ers. d.
		Blatt 1 von 1	



Bei Änderungen Rücksprache TB !

**probst**  
Greiftechnik - Verlegesysteme

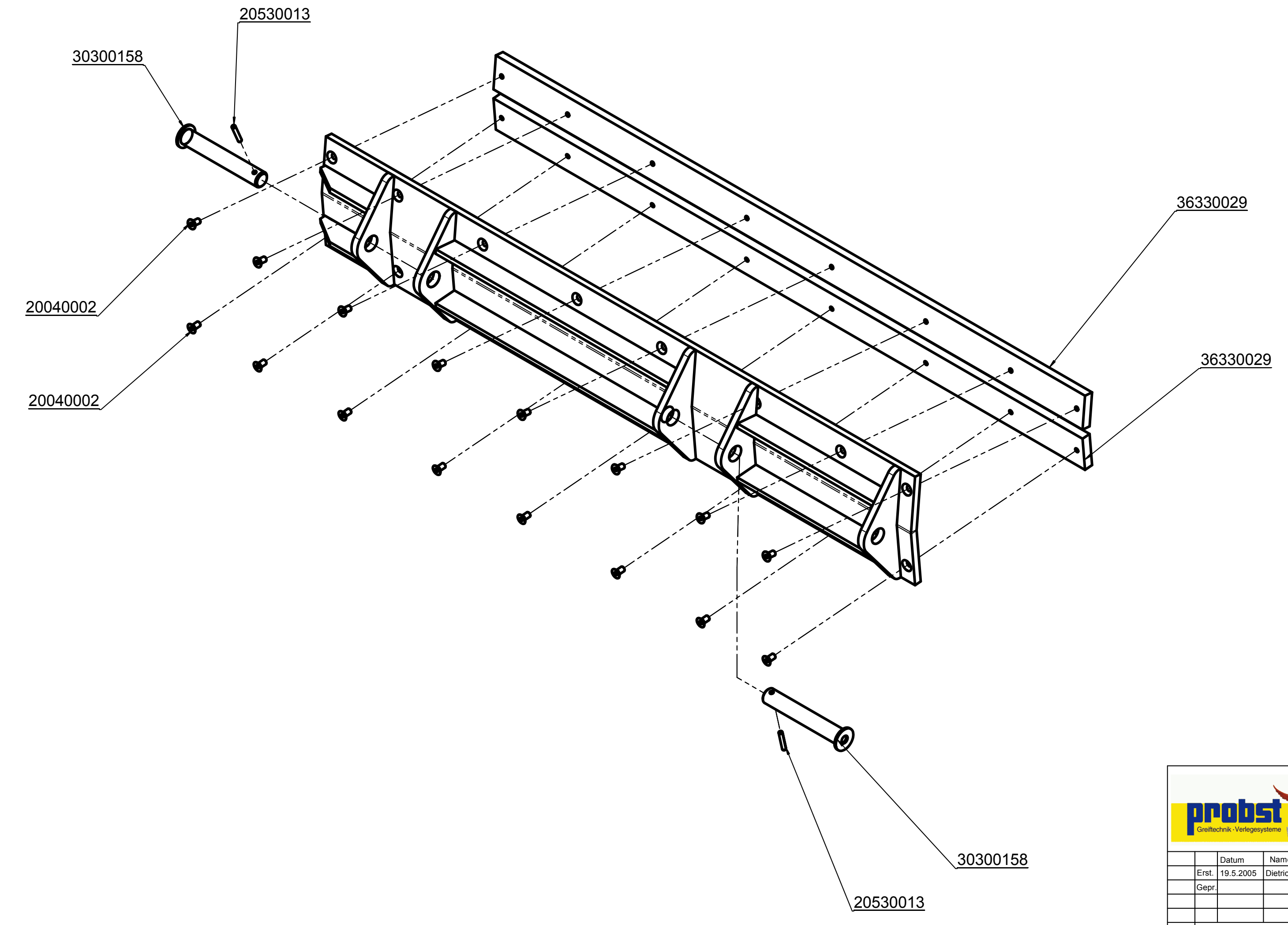
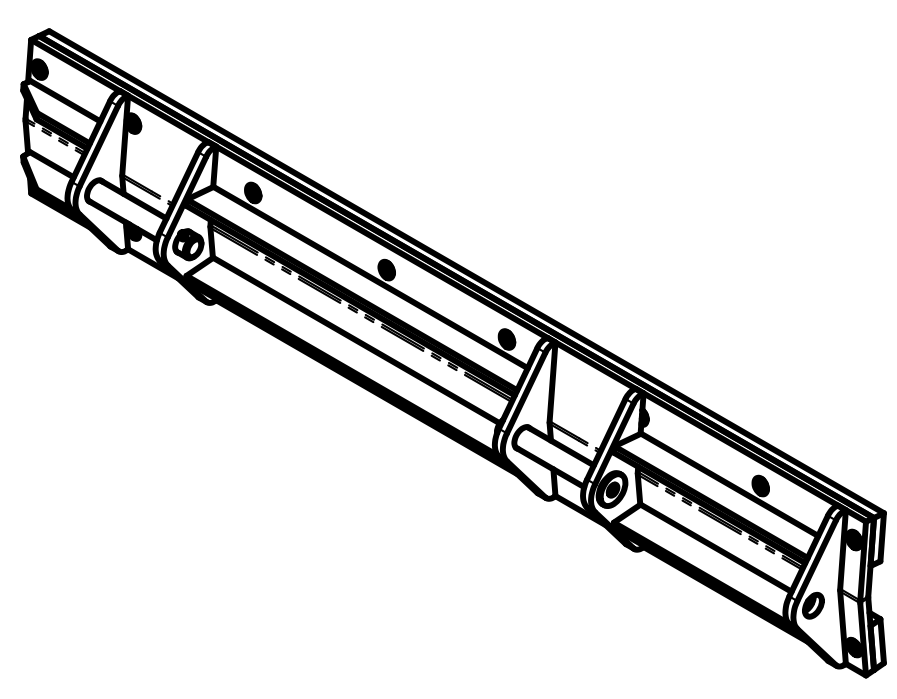
Gewicht: 41,2 kg

Schutzvermerk nach DIN 34 beachten!  
Nachdruck nur mit unserer Genehmigung!

	Datum	Name	Benennung
Erst.	19.5.2005	Dietrich.Pannier	Wippbacken 1250 mm zu Seitenteil UG6,5
Gepr.			Stielabstand 640 mm
			rechte Seite

WA:	Artikelnummer/Zeichnungsnummer	Blatt
Kunde:	E47310106	1
Zust.	Urspr.	von 1
	Ers. f.	Ers. d.





Bei Änderungen Rücksprache TB !

**probst**  
Greiftechnik - Verlegesysteme

Gewicht: 40,5 kg

Schutzvermerk nach DIN 34 beachten!  
Nachdruck nur mit unserer Genehmigung!

	Datum	Name	Benennung
Erst.	19.5.2005	Dietrich.Pannier	Wippbacken 1250 mm zu Seitenteil UG 6,5
Gepr.			Stielabstand 640 mm
			linke Seite

WA:	Artikelnummer/Zeichnungsnummer	Blatt
Kunde:	E47310105	1
Zust.	Urspr.	von 1
	Ers. f.	Ers. d.

# Proof of maintenance

Warranty claim for this machine only apply for performance of the mandatory maintenance works (by an authorised specialist workshop)! After each completed performance of a maintenance interval the included form must be fill out, stamped, signed and send back to us immediately <sup>1)</sup>.

1) via e-mail to service@probst.eu / via fax or post

Operator: -----

Device type: -----

Device-No.: -----

Article -No.: -----

Year of make: -----

## First inspection after 25 operating hours

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name Signature

## All 50 operating hours

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name Signature
		Company stamp
		.....
		Name Signature
		Company stamp
		.....
		Name Signature

## Minimum 1x per year

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name Signature
		Company stamp
		.....
		Name Signature

# Proof of maintenance

Warranty claim for this machine only apply for performance of the mandatory maintenance works (by an authorised specialist workshop)! After each completed performance of a maintenance interval the included form must be fill out, stamped, signed and send back to us immediately <sup>1)</sup>.

1) via e-mail to service@probst.eu / via fax or post

Operator: -----

Device type: -----

Device-No.: -----

Article -No.: -----

Year of make: -----

## First inspection after 25 operating hours

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name Signature

## All 50 operating hours

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name Signature
		Company stamp
		.....
		Name Signature
		Company stamp
		.....
		Name Signature

## Minimum 1x per year

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name Signature
		Company stamp
		.....
		Name Signature

# Proof of maintenance

Warranty claim for this machine only apply for performance of the mandatory maintenance works (by an authorised specialist workshop)! After each completed performance of a maintenance interval the included form must be fill out, stamped, signed and send back to us immediately <sup>1)</sup>.

1) via e-mail to service@probst.eu / via fax or post

Operator: -----

Device type: -----

Device-No.: -----

Article -No.: -----

Year of make: -----

## First inspection after 25 operating hours

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name Signature

## All 50 operating hours

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name Signature
		Company stamp
		.....
		Name Signature
		Company stamp
		.....
		Name Signature

## Minimum 1x per year

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name Signature
		Company stamp
		.....
		Name Signature