



Teleskopic Screeding System TAS-UNI

Translation of original operating instructions

TAS-UNI



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.

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2 Authorized use

The device TAS-UNI is universally suitable for precise and flexible screeding of laying courses on both, large and small building sites. In one run a clean and exact screed can be produced.

- For the manual: 2 commercial shovels can be hooked in for pulling the device.
- For the mechanical use: 2 pulling chains for pulling the device.

The device consisting of the following components:

- Telescopic aluminium screeding profiles, height adjustable roller units on either side, pulling elements.
- Step board (for user) above the roller unit increase the pressure to the ground, when using mechanically.
- Height adjustable roller units , including screeding rail wiper.



UNAUTHORIZED TRANSPORTIONS:

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

Never exceed the **nominal width** (working width) of the device.



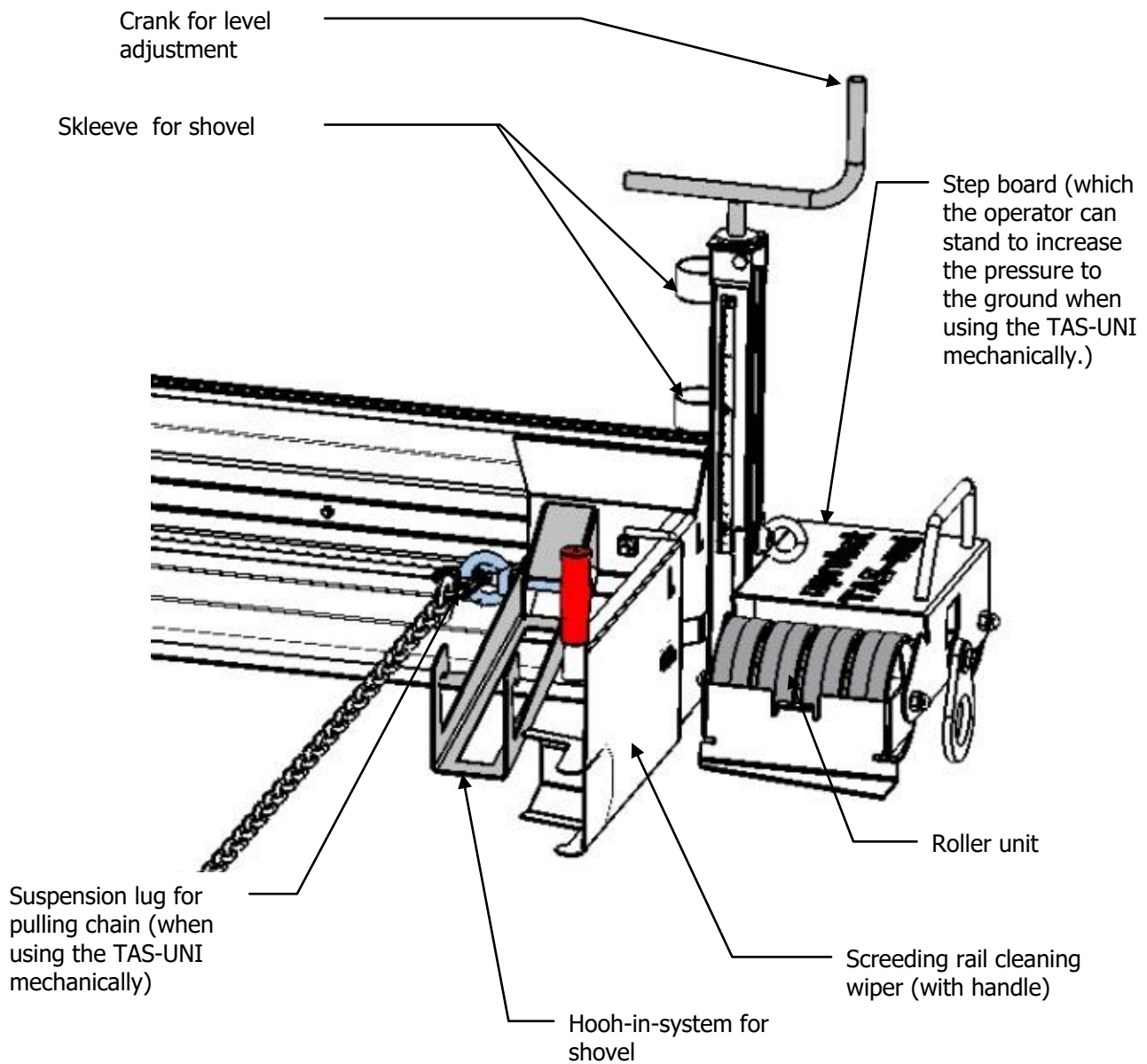
Prohibition

- 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.

2.1 Survey and construction






2.2 Technical Data



Typ:	Working width:	Dead weight :
TAS-UNI 450	750 – 4500 mm (30“-177“ inch)	78 kg (170 lbs)
TAS-UNI 600	750 – 6000 mm (30“-236“ inch)	100 kg (220 lbs)

3 Safety

3.1 Safety symbols

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

3.2 Safety Marking

WARNING SIGN			
Symbol	Meaning	Order-No.:	Size:
	Danger of squeezing the hands.	2904.0221 2904.0220 2904.0107	30 mm 50 mm 80 mm
REGULATORY SIGN			
Symbol	Meaning	Order-No.:	Size:
	Each operator must have read and understood the operating instructions (and all safety instructions).	2904.0665 2904.0666	30 mm 50 mm

3.3 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

3.4 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.



3.5 Protective equipment

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

- Protective clothing
- Safety gloves
- Safety shoes

3.6 Accident prevention



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



- Take care handling wet, dirty and not solidified components.



- Take care in case of thunderstorm!



- The working with the device in case of atmospheric editions under 37,5° F (3° C) is forbidden!
Because the goods could be fall down caused by dampness or freezing.

3.7 Function Control

3.7.1 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 splits at carrying 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.

3.8 Safety procedures

3.8.1 General



- The operator (of the excavator/wheel loader) must have always the device in range of vision.

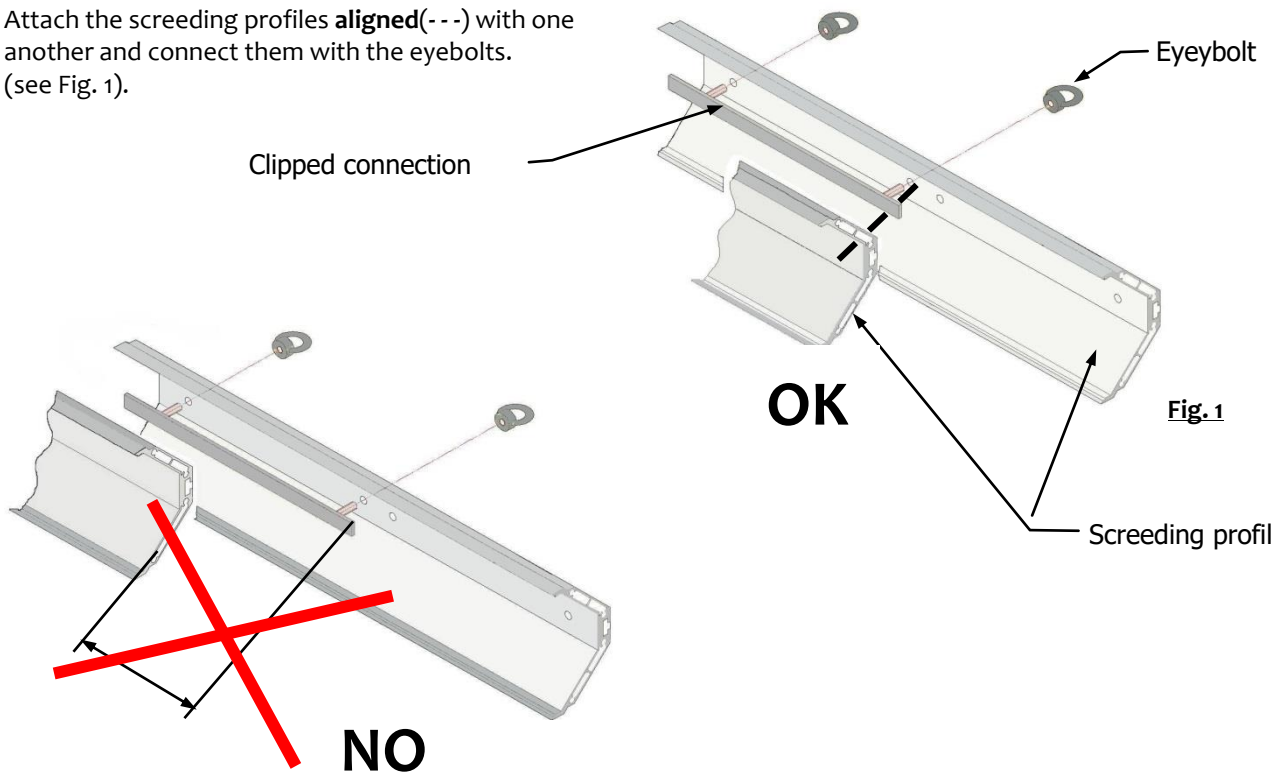


- Do not use the device to jerk seized products.

4 Installation and Operation

4.1 Assemblage

Attach the screeding profiles **aligned**(---) with one another and connect them with the eyebolts. (see Fig. 1).



4.1.1 Adjustable Adapter for Roof-/Pan Profile

- With the adjustable adapter **TAS-DP** (2000 mm) any roof or pan profile can be adjusted (+/- 4 % with scale) to prepare any roof or pan profiles.
- Screw the nuts on the inner side at the TAS-DP \triangleq slope (%) for roof profile → **Figure 2** (see also **Figure A** on following page).
Screw the nuts on the outer side at the TAS-DP \triangleq slope (%) for pan profile → **Figure 3** (see also **Figure B** on following page).

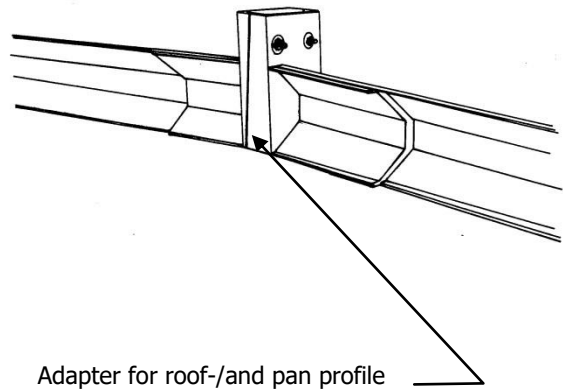


Figure 1

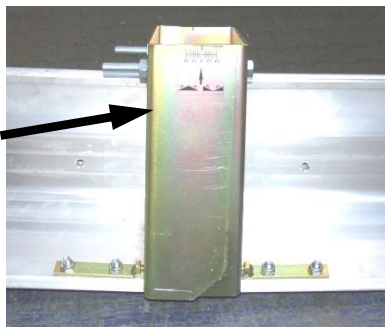


Figure 2



Figure 3



4.1.2 Adjustment roof profile

Loosen both nuts (2) on the outer side at the TAK-DP. → **Figure 1**

Adjust the slope (e.g. 1%) with the both nuts (3) on the inner side at the TAK-DP. → **Figure 2**

Slope (e.g. 1%) is viewable and adjustable on the scale (4) and indicator (5). → **Figure 3**

1 scale line on the scale (4) \triangleq 0,5 % slope. → **Figure 3**



**The indicated slope (%) on the scale is only for orientation.
The actually slope (%) must be measured again unconditional on the facing bedding sand!**
See Figure A und A1 on the following pages.

Figure 1



Figure 2

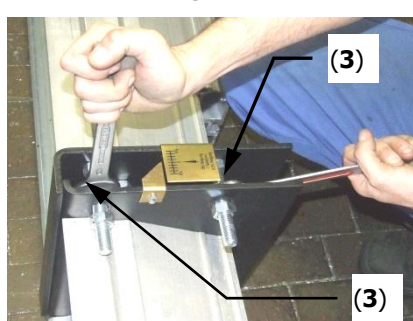
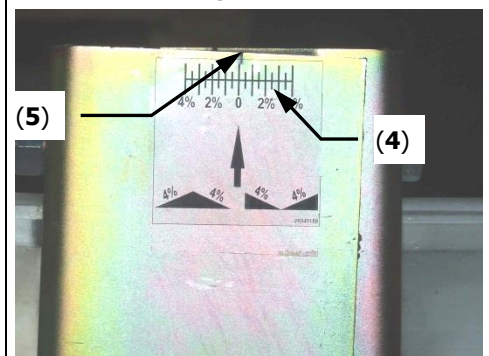



Figure 3



Measure the outer dimension at the TAS-DP (1) with a qualified measuring tool (6) e.g. yard stick (or slide gauge). These measure must be equal at the front side and back side (see ) → **Figure 4** and **Figure 5**.

Tighten both nuts again (tight) on the outer side at the TAK-DP. → **Figure 6**

Figure 4

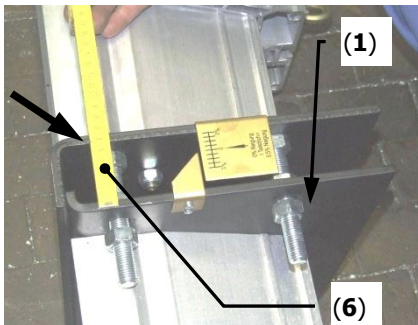


Figure 5

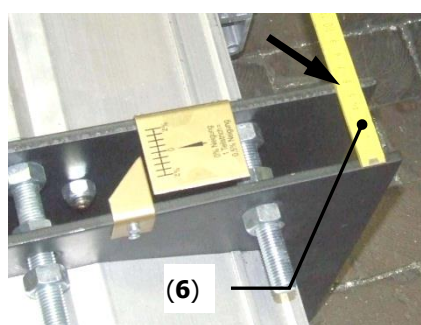
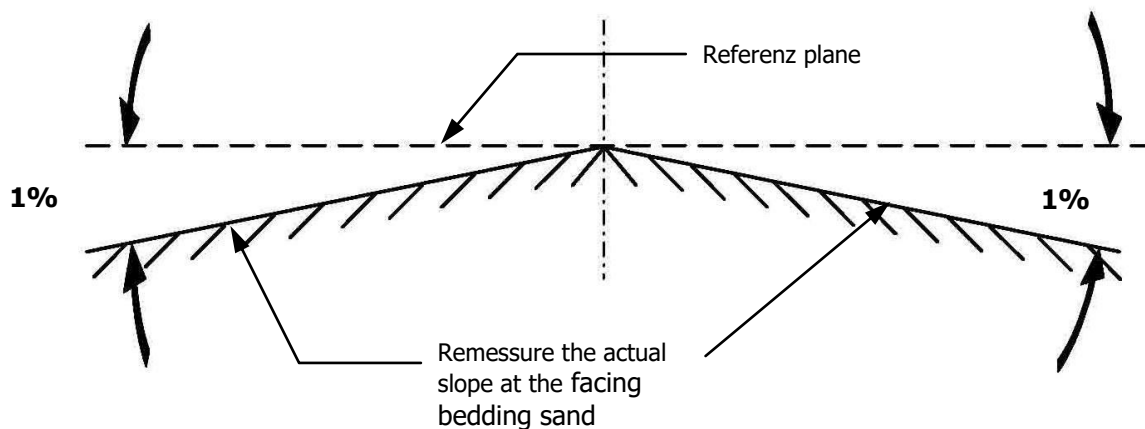


Figure 6



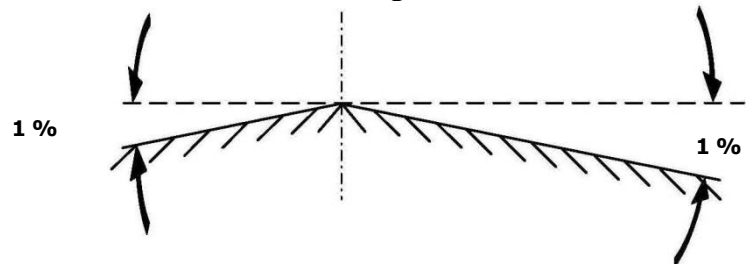
Figure A (roof profile)



Also a roof profile with different lengths of aluminium profiles is preparable.

→ see **Figure A1**

Figure A1



4.1.3 Adjustment pan profile

Loosen both nuts (2) on the inner side at the TAS-DP. → **Figure 7**

Adjust the slope (e.g. 1%) with the both nuts (3) on the inner side at the TAS-DP. → **Figure 8**

Slope (e.g. 1%) is viewable and adjustable on the scale (4) and indicator (5). → **Figure 9**

1 scale line on the scale (4) \triangleq 0,5 % slope. → **Figure 9**



**The indicated slope (%) on the scale is only for orientation.
The actually slope (%) must be measured again unconditional on the facing bedding sand!**
See Figure B und B1 on the following pages.

Figure 7

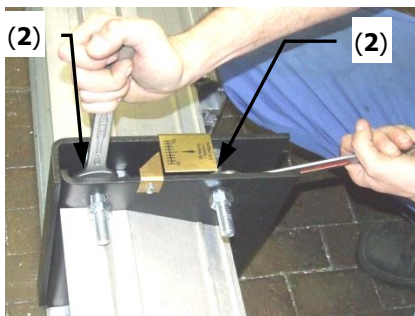


Figure 8

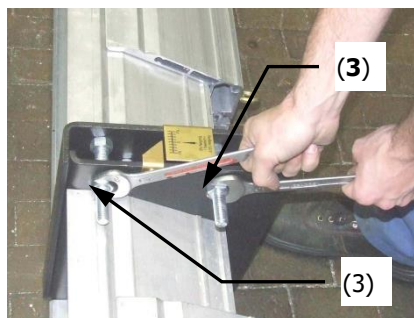
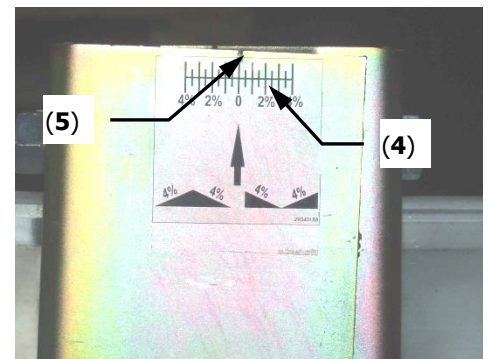



Figure 9



Measure the outer dimension at the TAS-DP (1) with a qualified measuring tool (6) e.g. yard stick (or slide gauge). These measure must be equal at the front side and back side (see ).

→ **Figure 10** and **Figure 11**.

Tighten both nuts again (tight) on the inner side at the TAS-DP. → **Figure 12**

Figure 10

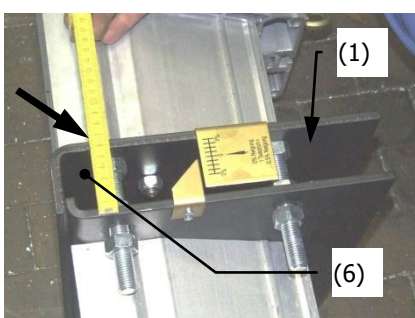


Figure 11

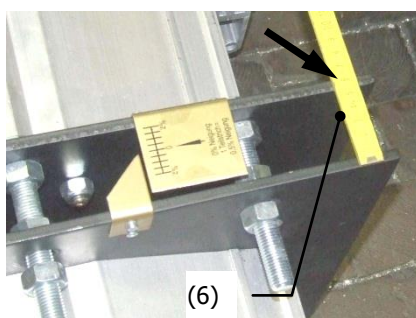
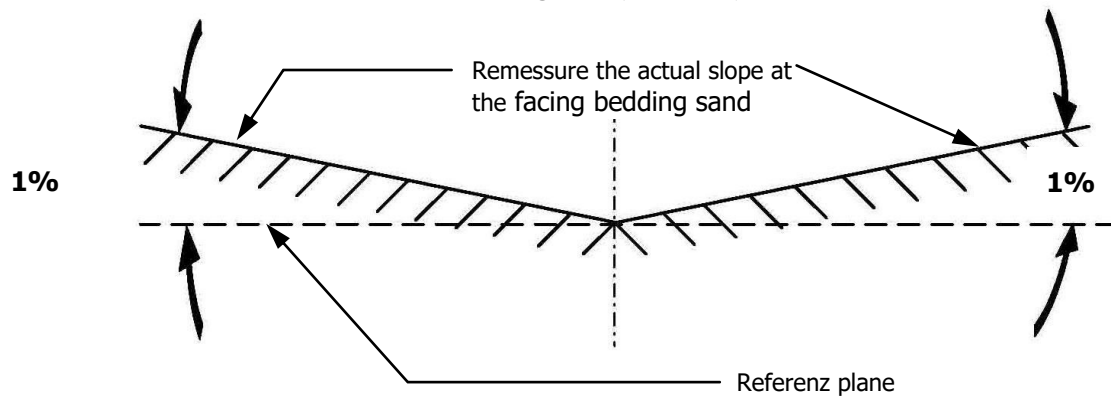


Figure 12

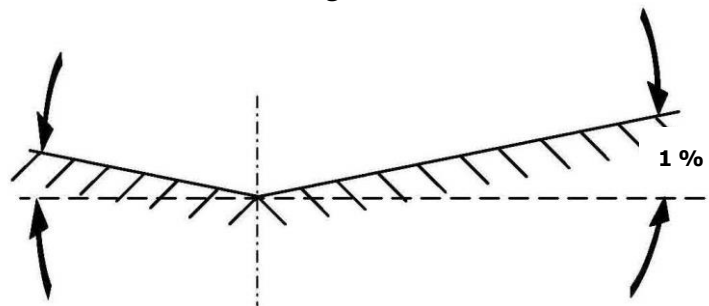


Figure B (pan profil)



Also a pan profile with different lengths of aluminium profiles is preparable.
→ see **Figure B1**

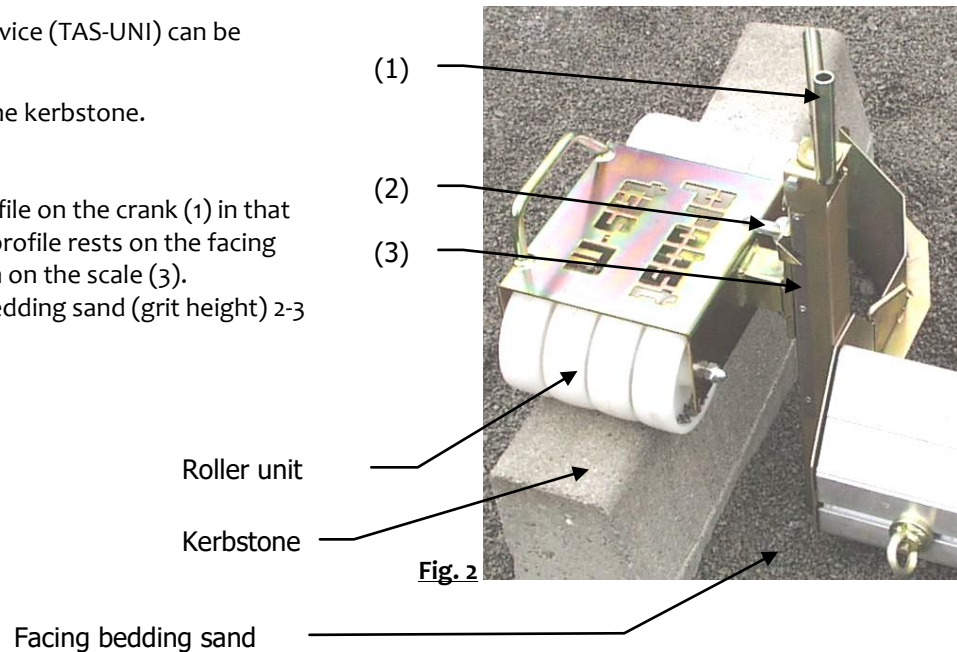
Figure B1



4.2 Adjustment of roller unit (kerbstone)

The working height of the device (TAS-UNI) can be adjusted with the spindle (1).

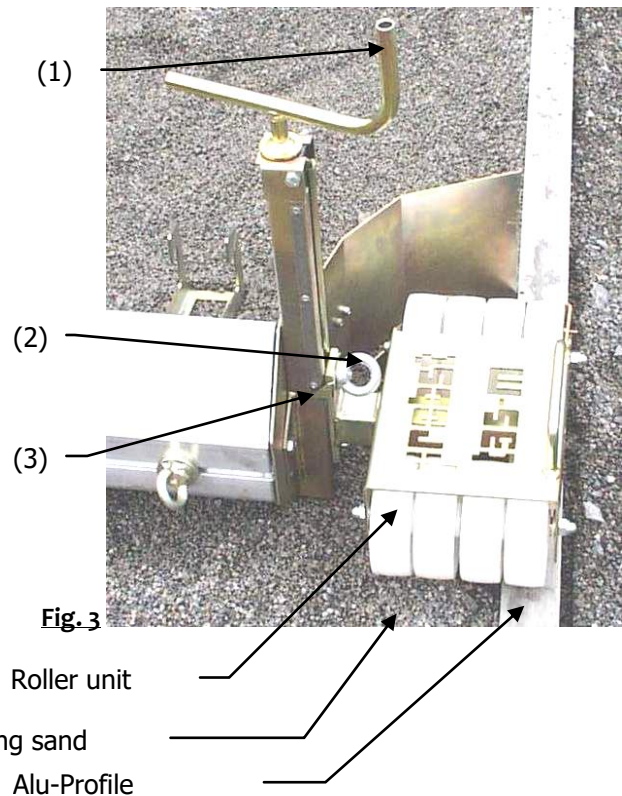
- Place the roller unit on the kerbstone.
- Release the eyebolt (2).
- Adjust the screeding profile on the crank (1) in that way, that the screeding profile rests on the facing bedding sand. Orientation on the scale (3).
- ➔ **TIPP** Optimal facing bedding sand (grit height) 2-3 cm.
- Fasten eyebolt (2) again.



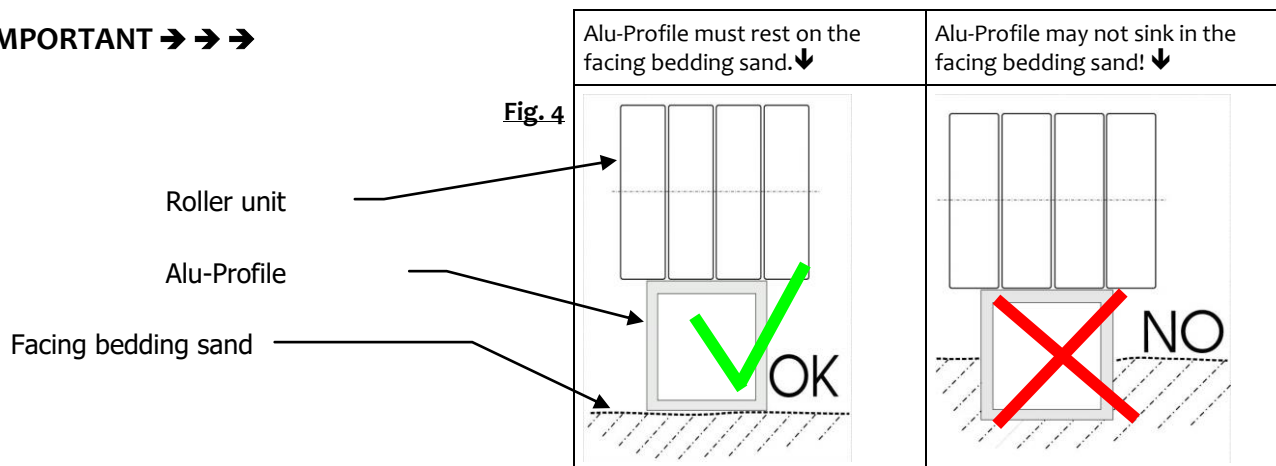
4.3 Adjustment of roller unit (Alu-Profile)

The working height of the device (TAS-UNI) can be adjusted with the spindle (1).

- Place the alu-profile direct on the facing bedding sand (see fig.4).
- Place the roller unit on the alu-profile.
- Release the eyebolt (2).
- Adjust the screeding profile on the crank (1) in that way, that the screeding profile rests on the facing bedding sand. Orientation on the scale (3).
- ➔ **TIPP** Optimal facing bedding sand (grit height) 2-3 cm.
- Fasten eyebolt (2) again.



IMPORTANT ➔ ➔ ➔



5 Operation

5.1 General

The making of a facing bedding sand with the device (TAS-UNI) can take place either via manual pulling (2-man operation) or by machine pulling (wheeled loader)

5.1.1 Manual Pulling

Fit 2 commercial shovels into the hook-in-system of shovel (1) for pulling the device (TAS-UNI).



Danger

It is to be made certain that in the work area are no articles on the ground. Danger of stumbling - while walking backwards.



Dangerr

Check before each work with shovels, if the handle of the shovel is fastened - danger of accident.

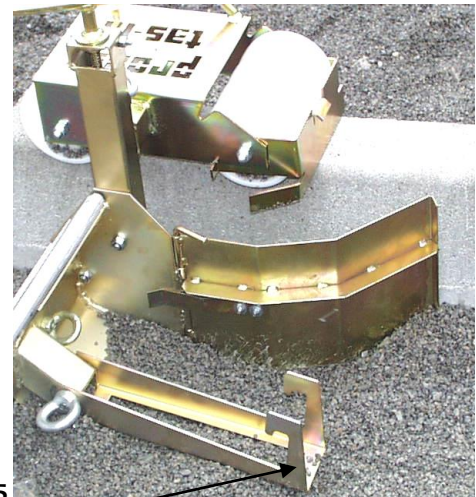


Fig. 5

(1)



5.1.2 Machine Pulling

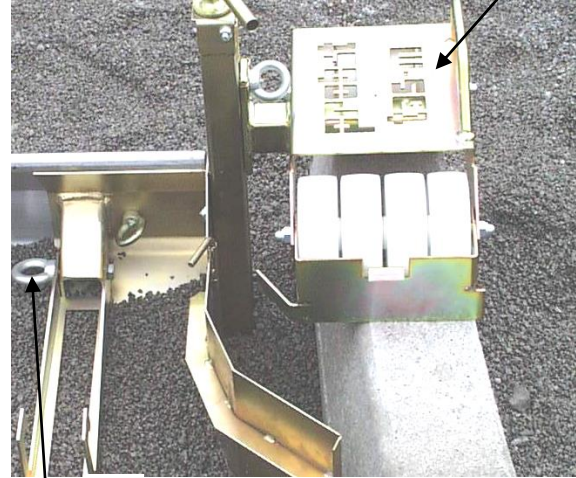
Fit 2 pulling chains into eyebolt (2) to pull the device by machine. Fasten the ends of the pulling chains on the wheel loader/excavator (near hook-in-system of shovel)

Step board (3) above the roller unit increase the pressure to the ground (Operator can place a foot on it).



Check Fore each working with shovels, if the handle of the shovel is fastened - danger of accident.

Fig. 6



6 Maintenance and care

6.1 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.



Take care that for all maintenance services the device is completely shut down!!

MECHANICAL

Service interval

**First inspection after
25 operating hours**

All 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.

[illegible]

6.4 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



6.1 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)!

Hersteller:
Probst GmbH
Gottlieb-Daimler-Strasse 6
71729 Erdmannhausen, Germany
info@probst-handling.de
www.probst-handling.de

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 ¹⁾.

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

Operator: _____

Device type: _____

Device-No.: _____

Article -No.: _____

Year of make: _____

First inspection after 25 operating hours

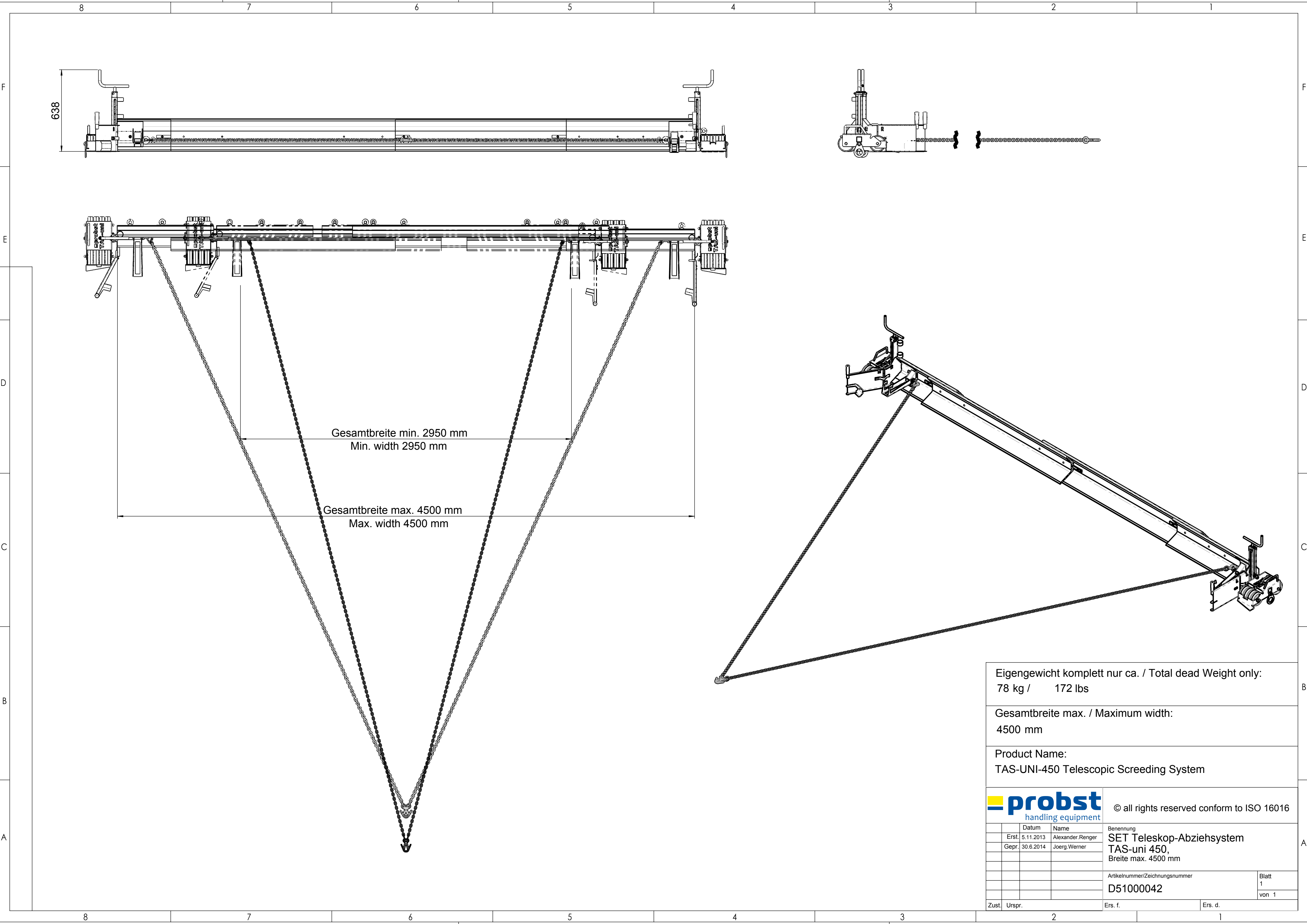
Date:	Maintenance work:	Inspection by company:
		Company stamp
	
		Name Signature

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



Eigengewicht komplett nur ca. / Total dead Weight only:
78 kg / 172 lbs

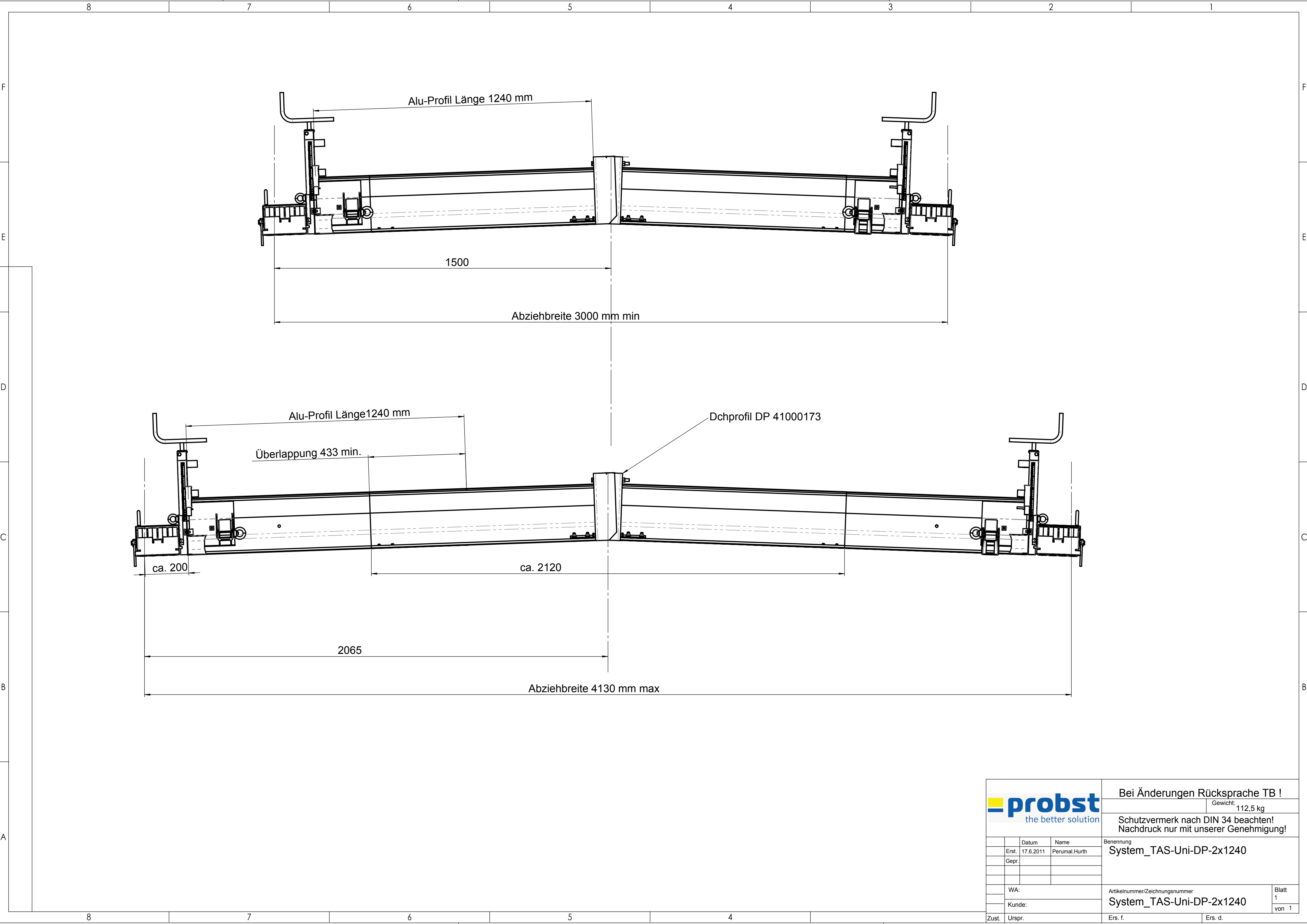
Gesamtbreite max. / Maximum width:
4500 mm


Product Name:
TAS-UNI-450 Telescopic Screeding System

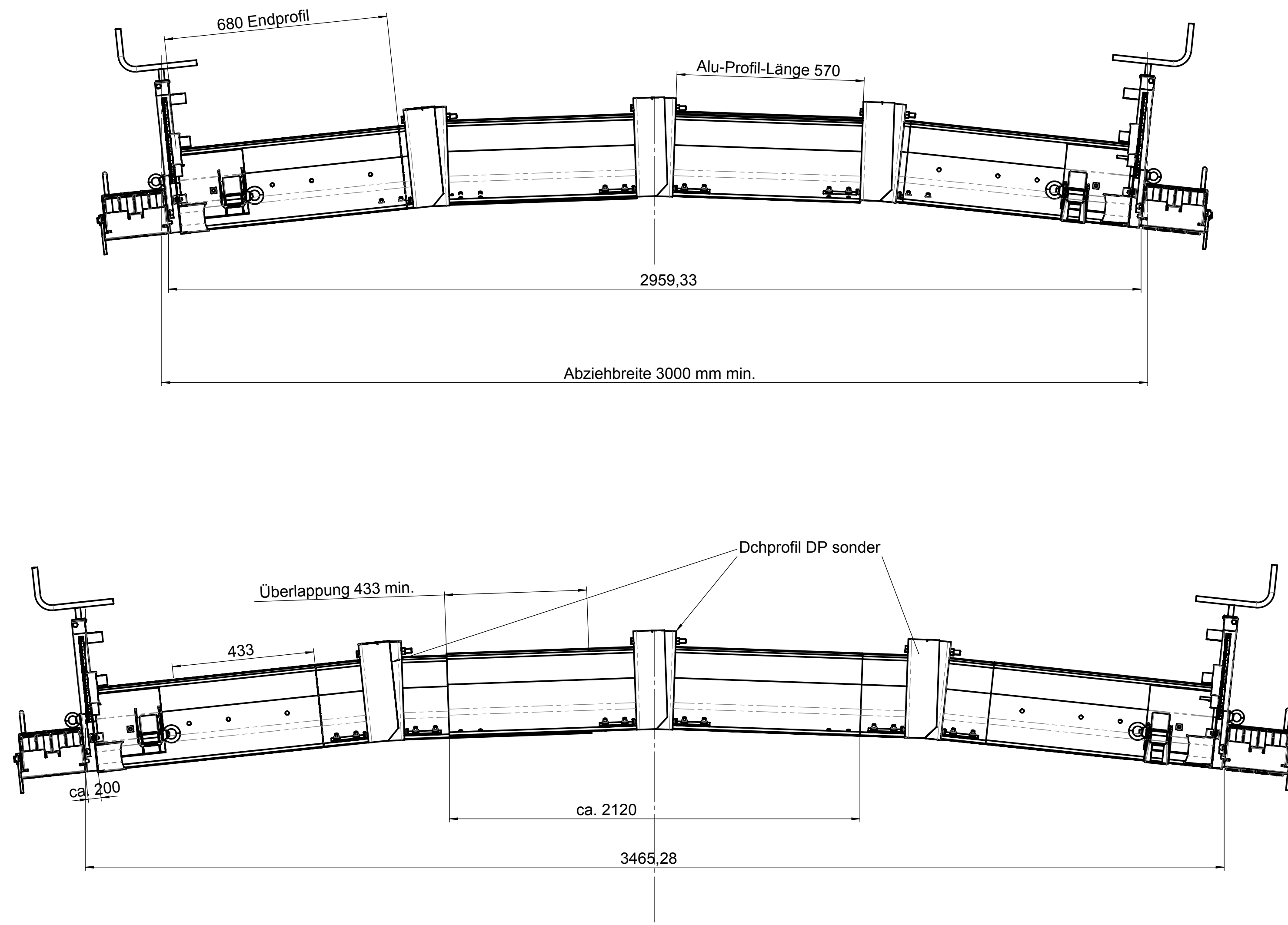



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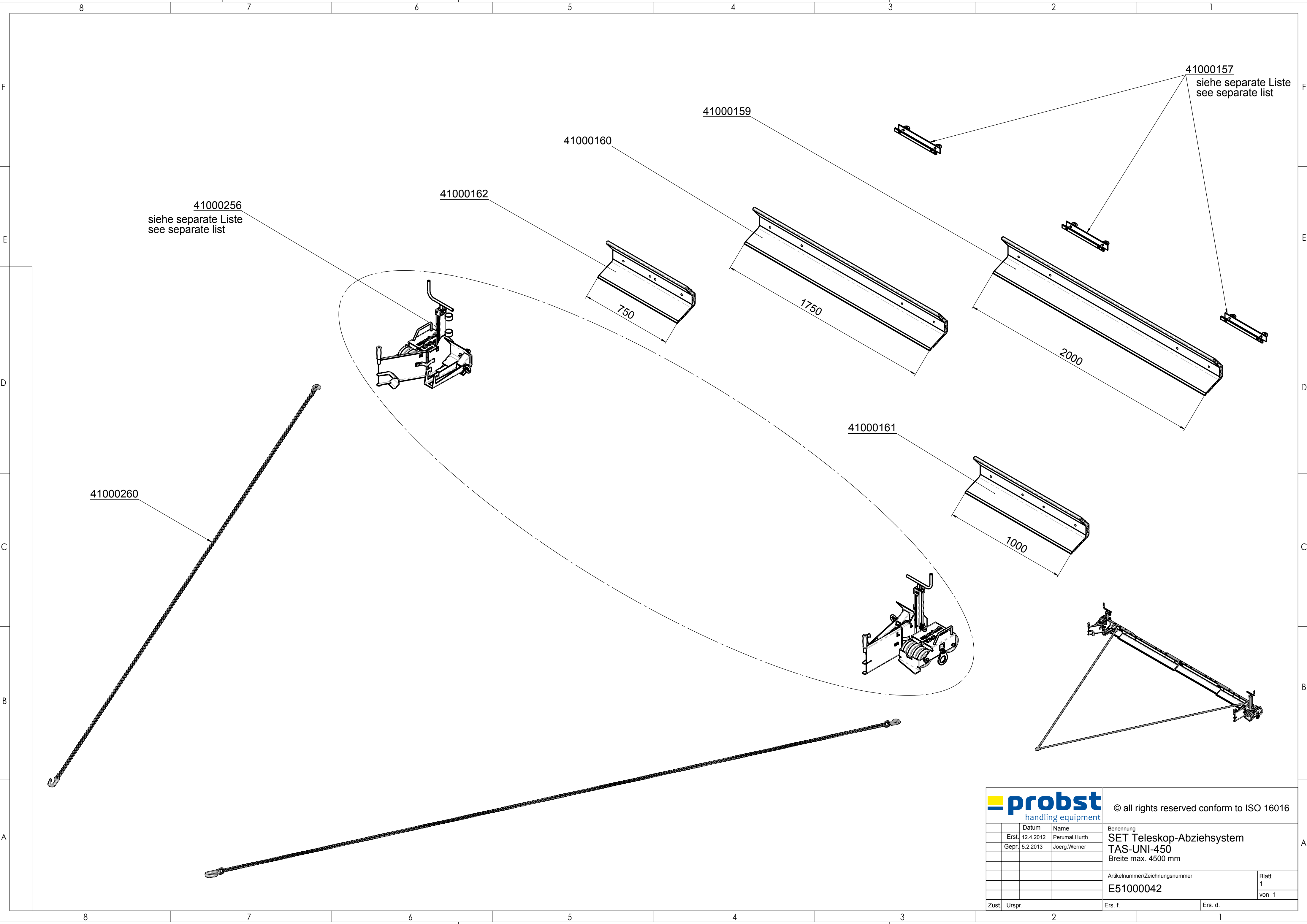
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			Breite max. 4500 mm	
			Artikelnummer/Zeichnungsnummer	
			D51000042	
Zust.	Urspr.		Ers. f.	Ers. d.



 the better solution			Bei Änderungen Rücksprache TB !		
			Gewicht: 112,5 kg		
			Schutzvermerk nach DIN 34 beachten! Nachdruck nur mit unserer Genehmigung!		
		Datum	Name	Benennung System_TAS-Uni-DP-2x1240	
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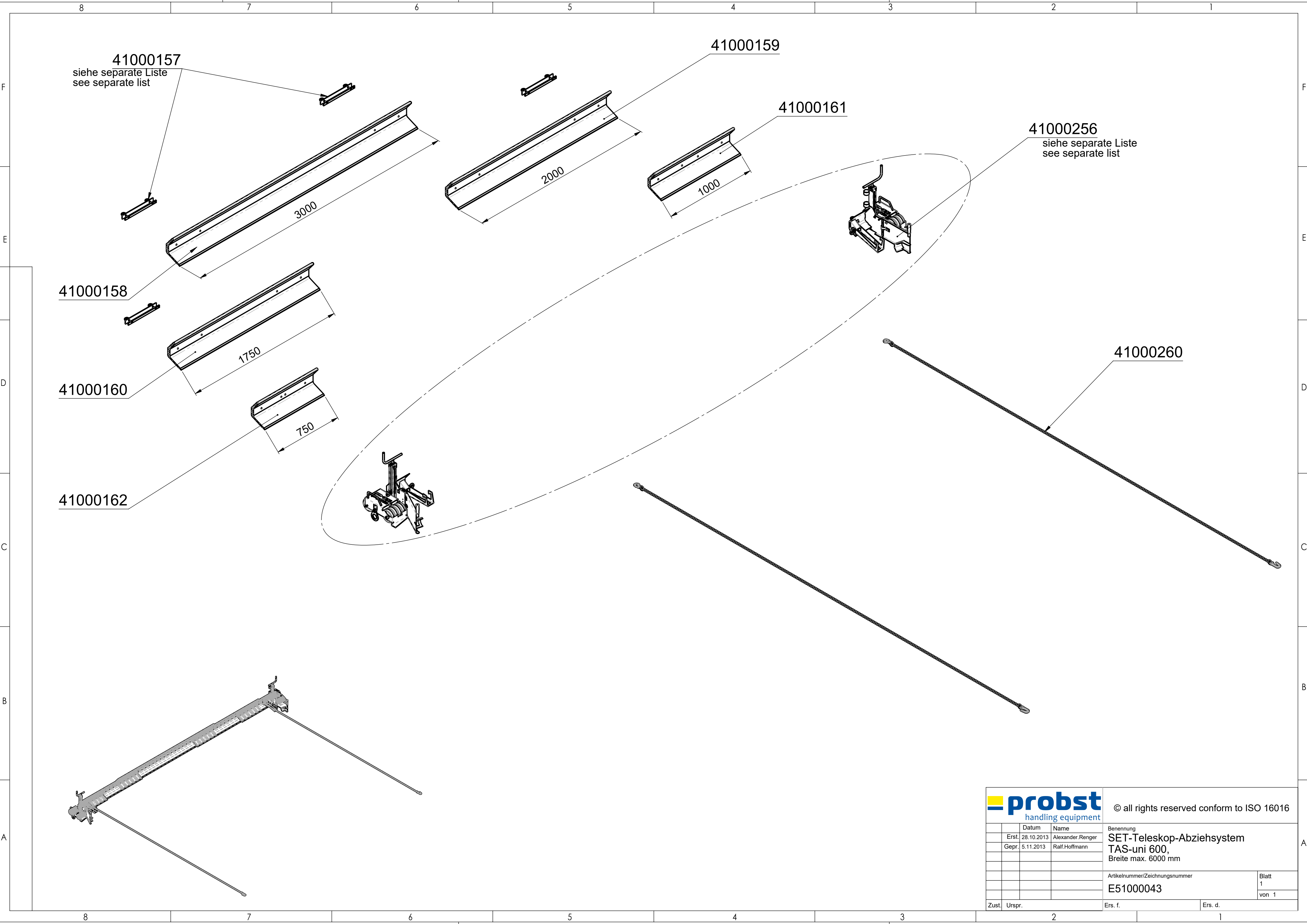


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			Gewicht:	119,7 kg
			Schutzvermerk nach DIN 34 beachten! Nachdruck nur mit unserer Genehmigung!	
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Gepr.				
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	Kunde:			
Zust.	Urspr.		Ers. f.	Ers. d.



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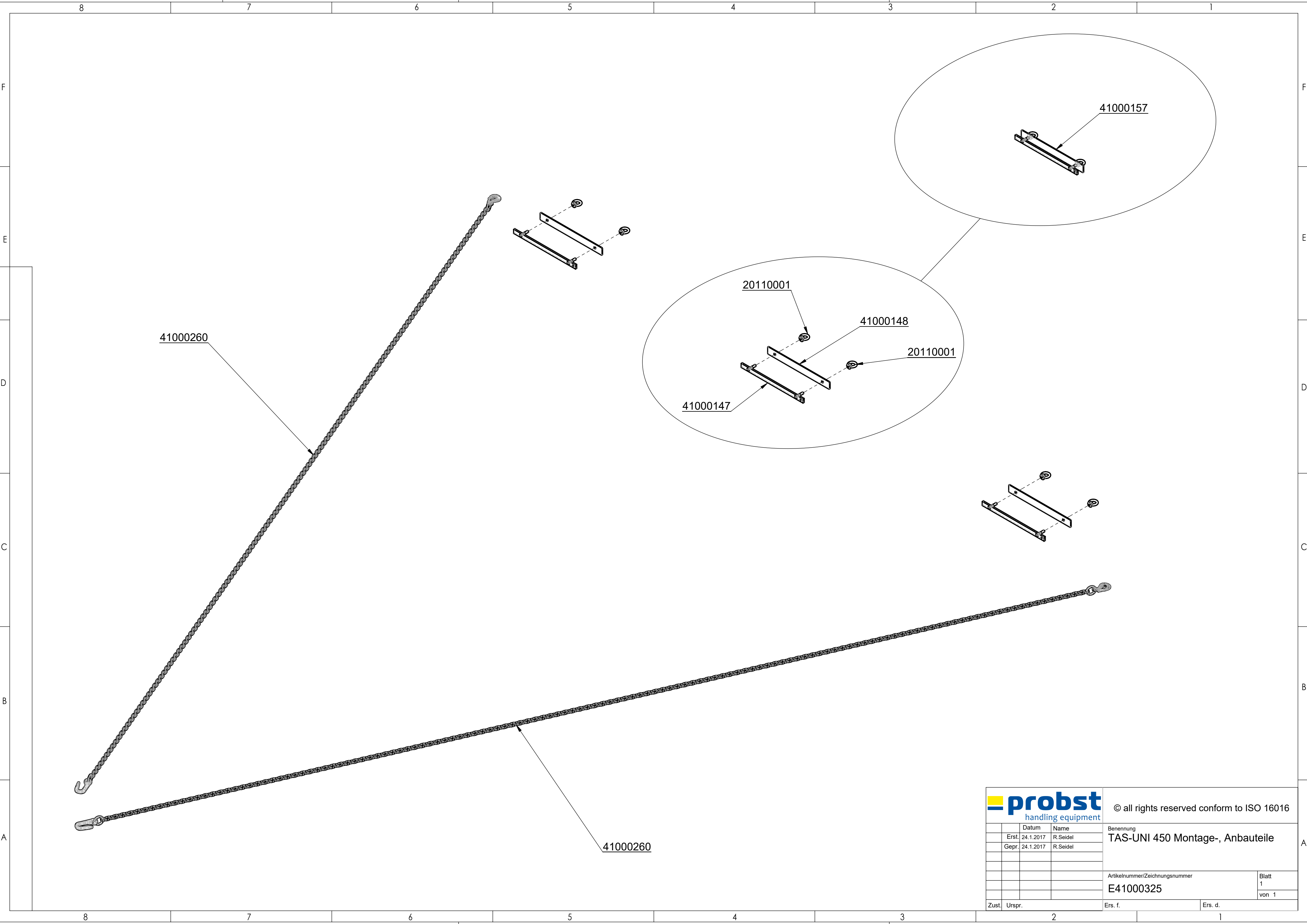
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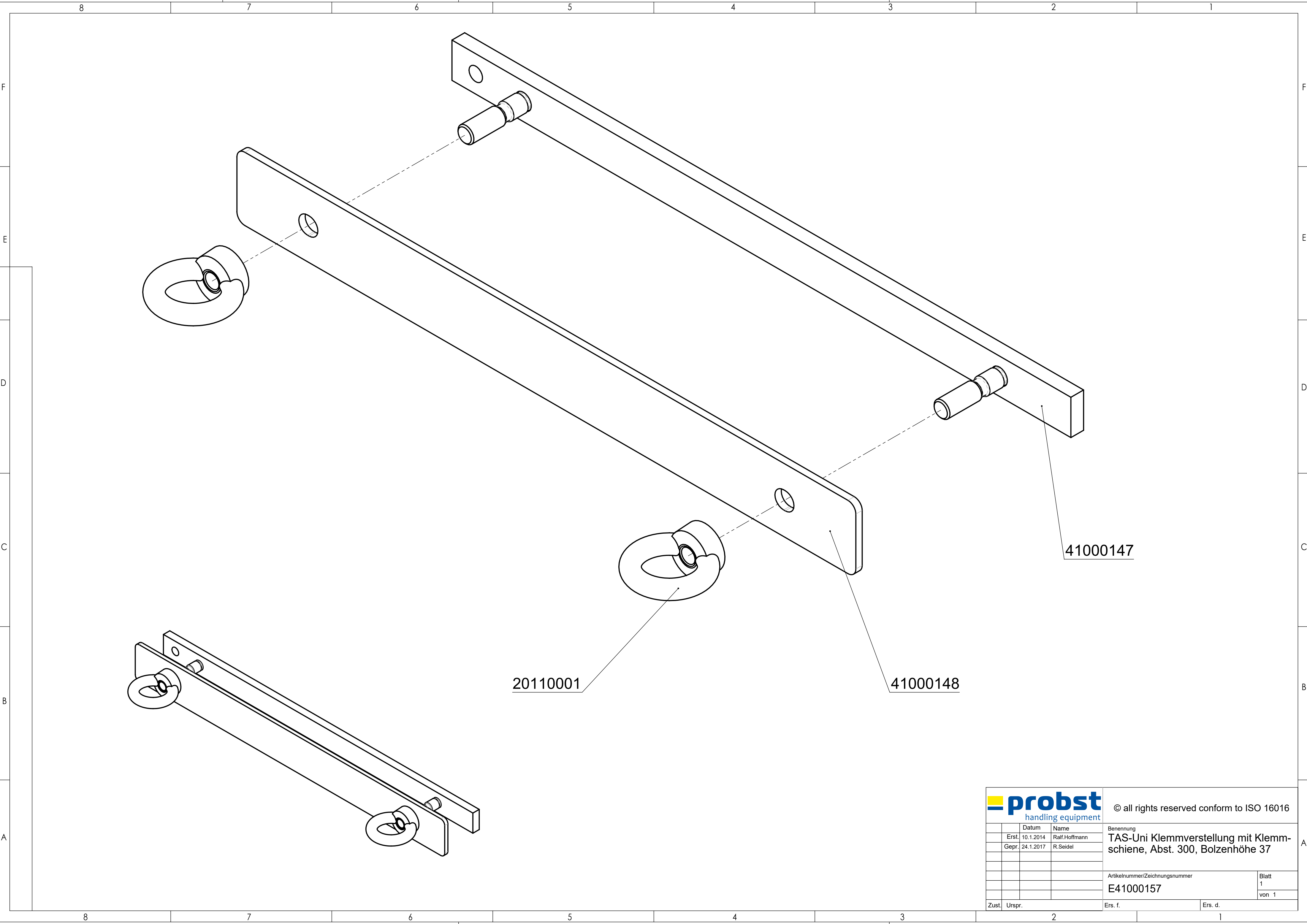
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Zust.	Urspr.	

Benennung
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Artikelnummer/Zeichnungsnummer
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Gepr.	24.1.2017	R. Seidel

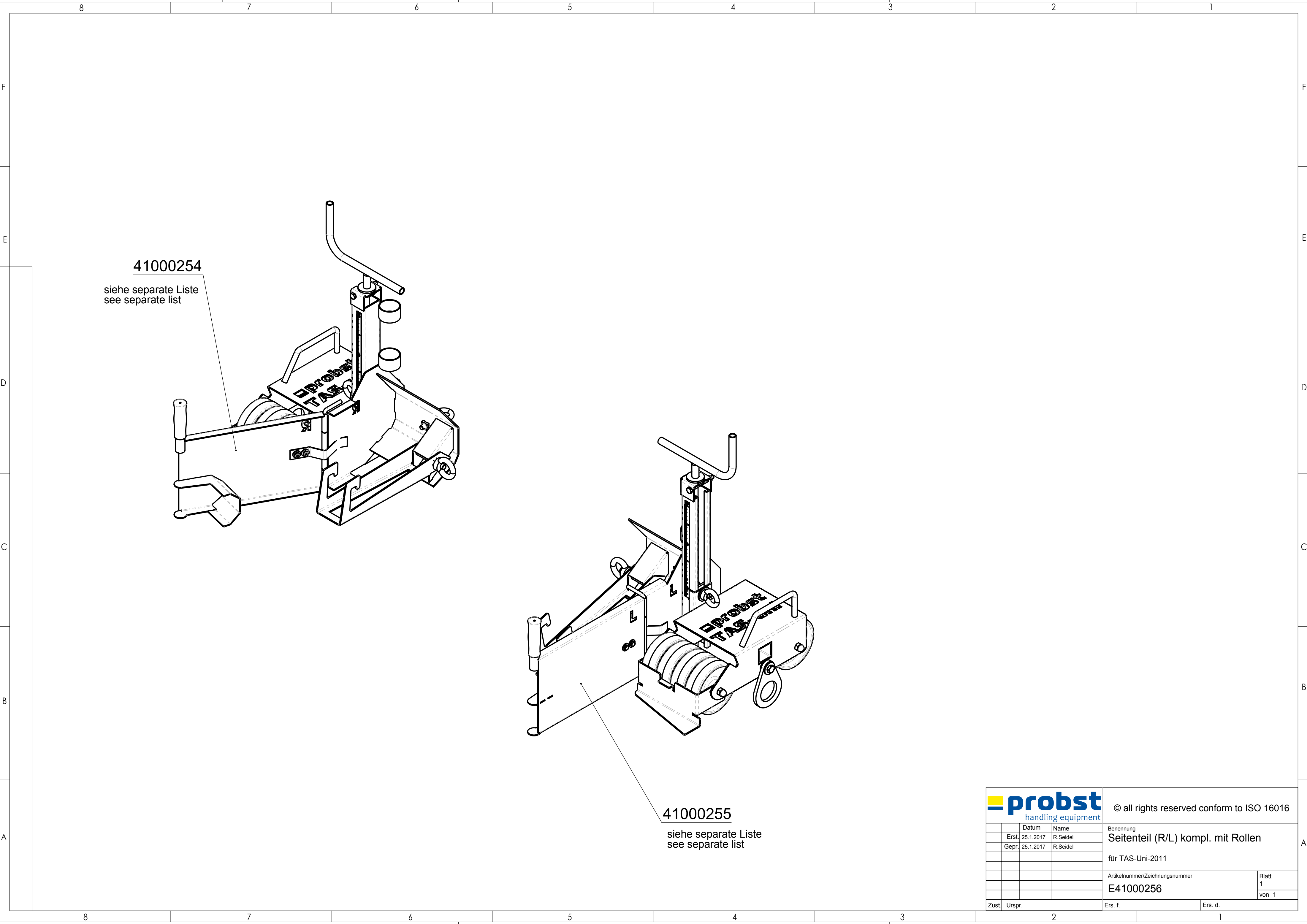
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Artikelnummer/Zeichnungsnummer
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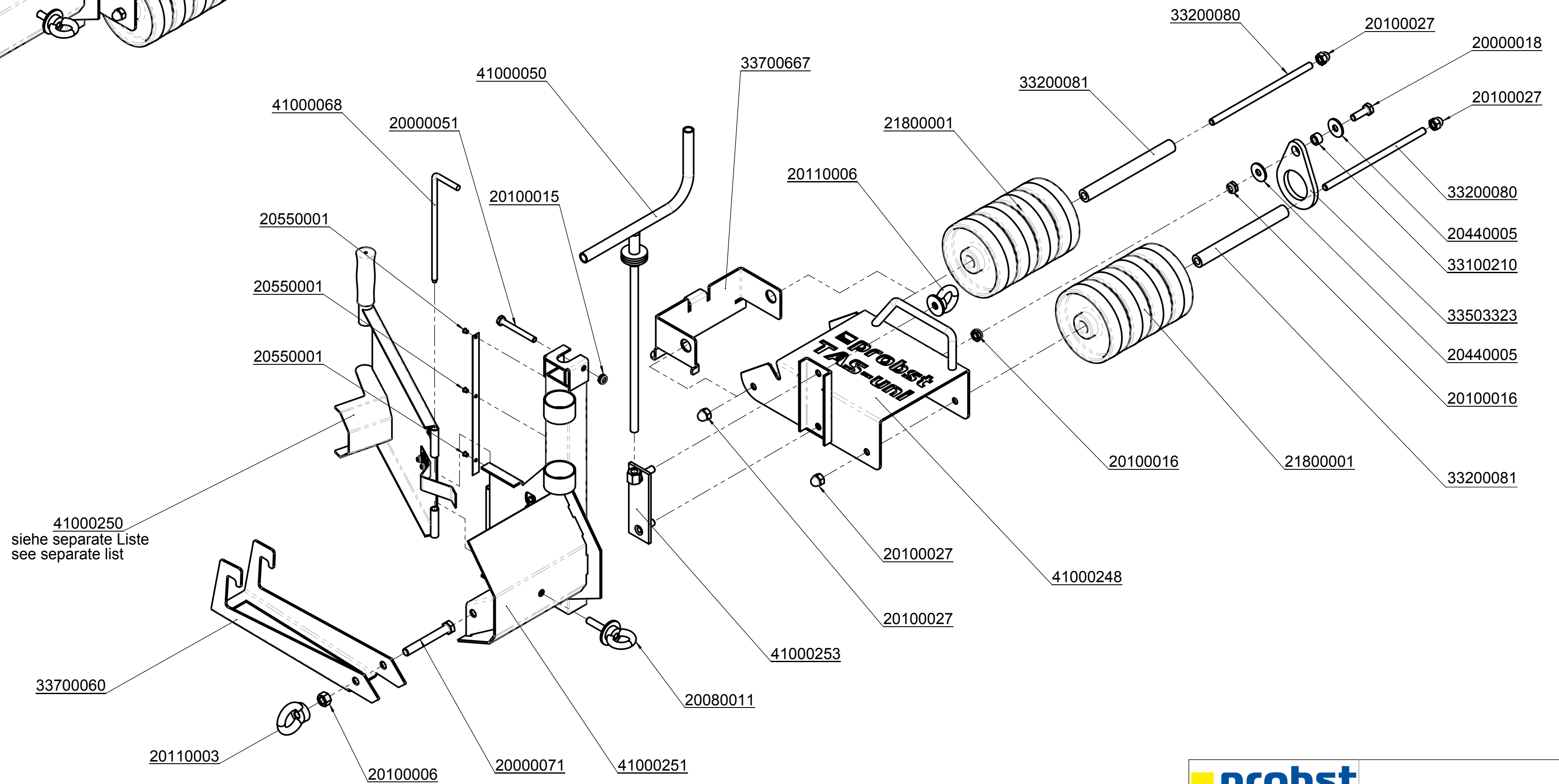
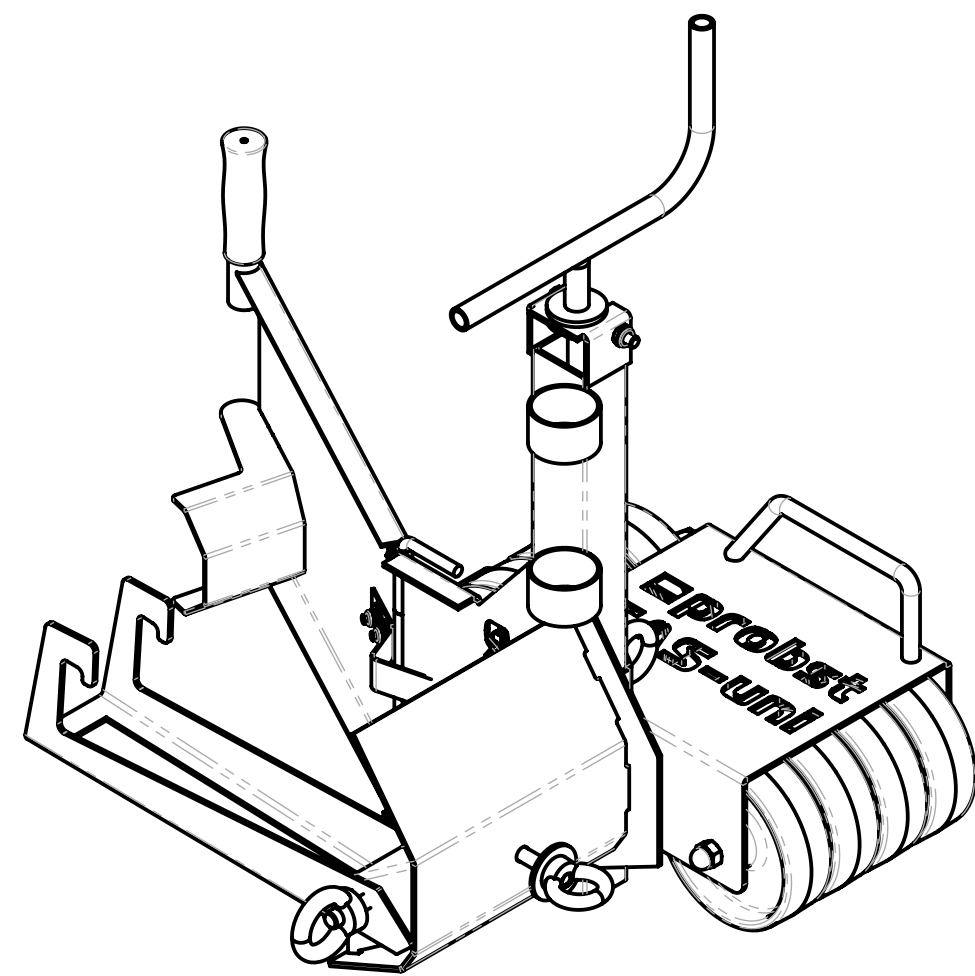
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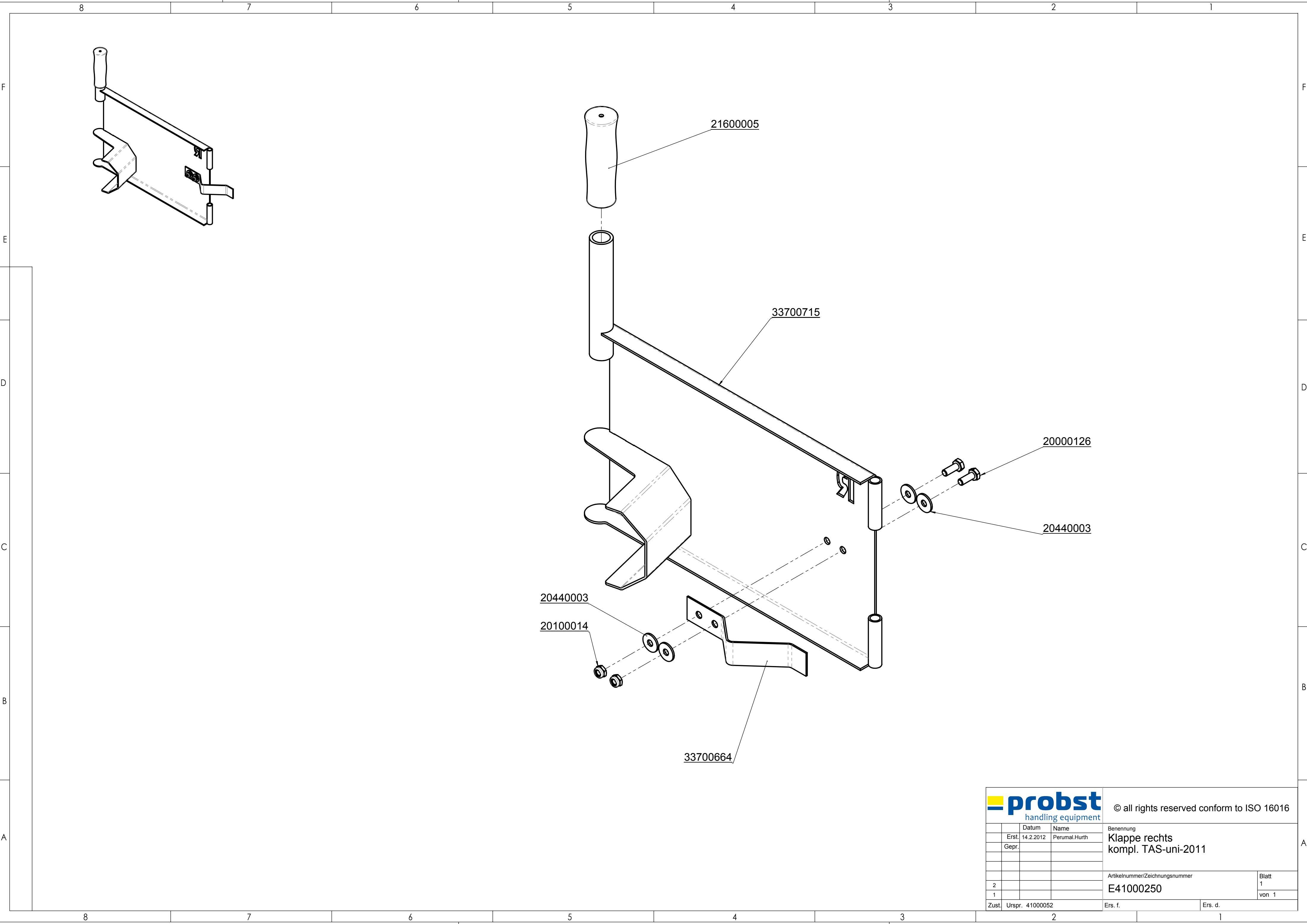
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Zust.	Urspr.		Ers. f.		Ers. d.



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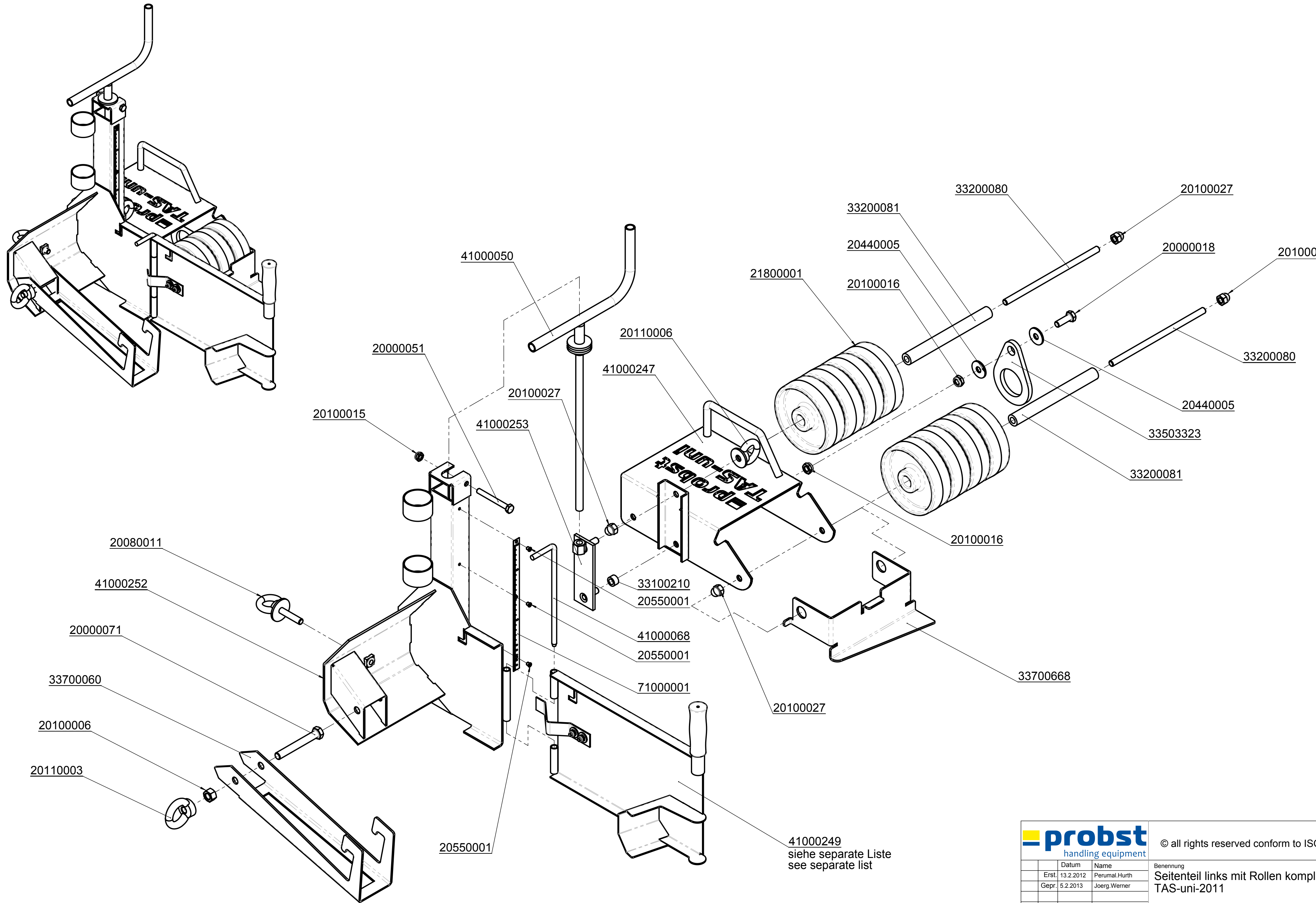
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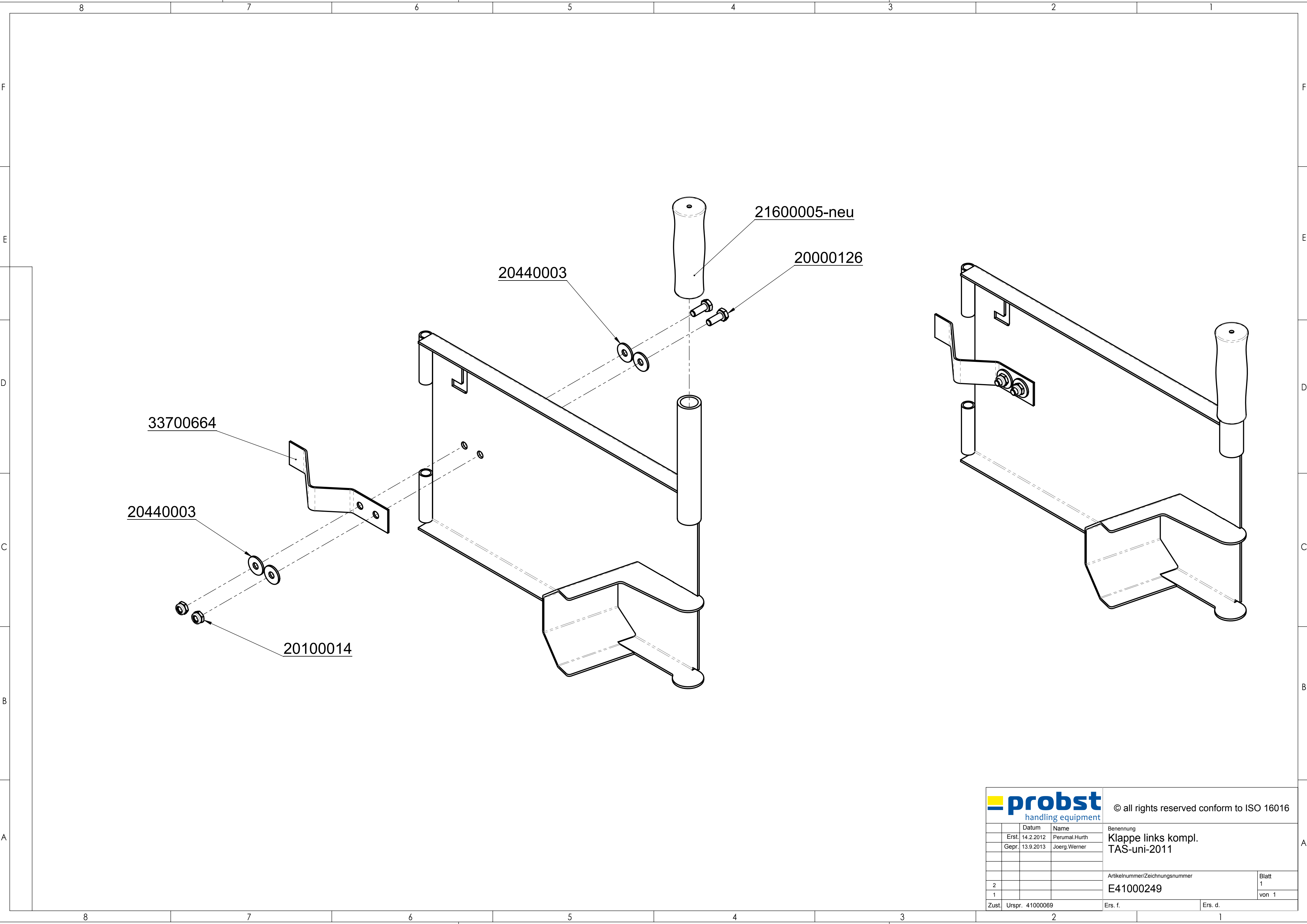
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siehe separate Liste
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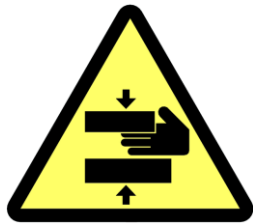
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Zust.	Urspr.		Ers. f.		Ers. d.



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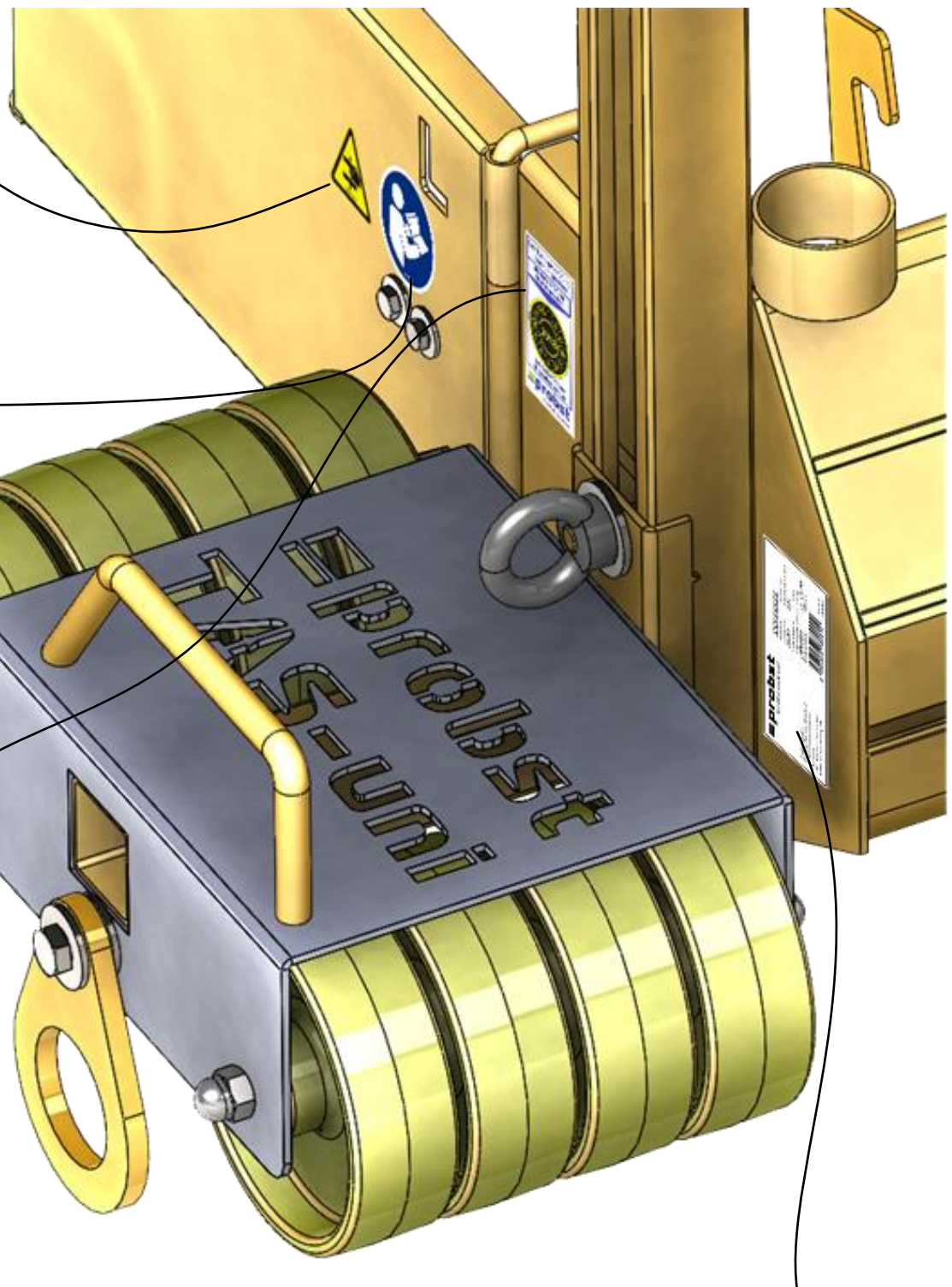
Auch auf der
rechten Klappe/ also
on the right flap



29040666



29040056



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handling equipment

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Gottlieb-Daimler-Straße 6
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XXXXXXXX

Artikel-Nr. 53100130
Geräte-Nr. 31516003-10-001
Baujahr 2015
Eigengewicht 18 kg
Tragfähigkeit (WLL) 250 kg
Greifbereich 50 - 540 mm
Eintauchtiefe 130 mm



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