

siegmund

Operating manual

(Translation of the original operating manual)

Lifting lug

Art.-Nr. 160836 (16004541) / 280836 (2806959)



Bernd Siegmund GmbH

Keep for future reference!

V1.0 / 05.08.2025

00006882

Legal notice

Manufacturer

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Warranty

The legal warranty obligations and periods will apply.

All warranty claims will become void if the product is used in a manner not corresponding to its intended purpose, is subjected to unauthorised technical alterations, or is opened (modification).

Bernd Siegmund GmbH will not be liable for any damage or accidents that are attributable to use in a manner not corresponding to the product's intended purpose, unauthorised modification of the product or non-observance of this operating manual.

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1 General Information

IMPORTANT

Read carefully before use!

Keep for future reference!

These operating instructions contain information on the safe handling of the lifting lug, item numbers 160836 (16004541) and 280836 (28006959), a device for safely lifting and transporting components manufactured by Bernd Siegmund GmbH.

The lifting lug is also referred to as the “product” in these operating instructions.

Anyone who is assigned by the operator to operate and maintain the lifting lug must have read and understood the operating instructions, especially chapter “2 Safety,” before starting work. This applies in particular to personnel who are only occasionally assigned to work with the lifting lug, e.g., maintenance and external personnel.

**⚠ WARNING****Observe the operating manual:**

- All people who operate with the lifting lug must have read the operating manual beforehand.

The operator must ensure that at least one copy of the operating instructions is kept near the lifting lug and is accessible to the target persons who deal with the product.

The operating instructions are part of the product and must be retained throughout its service life.

The operating instructions must be passed on to any subsequent owner or user of the lifting lug.

The manufacturer accepts no liability for personal injury or property damage resulting from failure to observe the operating instructions, and particularly their safety instructions.

1.1 Target Group

The target group of these operating instructions are all persons who are authorised by the operator to carry out activities such as operation, cleaning, maintenance, repair, etc. of the lifting lug. This also applies to external personnel.

Please also observe the requirements for personnel in section 2.2!

1.2 Documentation

The lifting lug comes with product-related documentation, which includes these operating instructions. These operating instructions comply with the relevant standards and regulations.

1.3 Definition of terms

Term	Explanation
Operator	The operator is the person who owns or has rented the means of transport and uses it.
User	A user is someone who works with the means of transport and has been instructed in its safe use and the possible dangers of improper use.
Specialist	A specialist is someone who, on the basis of specialist training, is able to perform tasks that require special knowledge, such as maintenance and repair work. A skilled worker must be able to assess the work, identify potential hazards, and avoid them.

1.4 Copyright

This operating manual as well as the operating documents remain the intellectual property of Bernd Siegmund GmbH. They are supplied to the customer/owner as an integral part of the product.

Without our explicit consent, these documents may be neither duplicated nor made available to third-party companies, in particular competing companies.

2 Safety

2.1 Explanation of safety instructions and warning notices

This operating manual contains safety instructions and warning notices which are intended to prevent personal injuries and property damage. It is essential to observe the warning notices. Failure to observe these notices can lead to personal injuries, property damage and damage to the welding cell.

Presentation of safety instructions and warning notices

Safety instructions and warning notices are clearly highlighted. They have the following structure:



Type of danger

Description, cause and source of the danger

- Measure 1 to avert the danger
 - ⇒ Optional: submeasure
- Measure 2

The following signal words are used:

DANGER	Warning of immediate severe injury or risk to life Indicates an immediately hazardous situation that will lead to death or severe injury if the safety measures are not observed.
WARNING	Warning of potential severe injury or risk to life Indicates a potentially hazardous situation that can lead to death or severe injury if the safety measures are not observed.
CAUTION	Warning of a danger Indicates a potentially hazardous situation that can lead to minor or slight injury if the safety measures are not observed.
NOTE	Warning of property damage Failure to observe this notice can result in damage to the machine or its surroundings.

Simplified safety instructions and warning notices

Safety instructions and warning notices may deviate from the form shown above if they are also understandable and actually more succinct in simplified form.

Simplified safety instructions and warning notices consist of

- Signal word with coloured background corresponding to the warning levels
- Information text

Example of a simplified warning notice, "Warning" danger level:



- Text of the simplified safety instruction and warning notice

Warning symbols

The following symbols indicate hazards:

	General hazard		Danger from suspended loads
	Observe the operating manual		

Personal protective equipment

Observe the operator's internal occupational safety regulations regarding the wearing of personal protective equipment!

Regardless of the information provided in this operating manual, the statutory safety and accident prevention regulations apply. Compliance with all applicable occupational safety, safety regulations, and legal requirements is a prerequisite for preventing injury to persons and damage to the product during operation, maintenance, repair work, etc.

2.2 Obligations of owner and personnel

2.2.1 Obligations of owner, organisational measures

The operator commissions its own or external personnel to operate and maintain the lifting lug.

Hazard warnings

The operator must ensure that the safety and warning notices for the product are observed and that the safety and warning notices and product labels are in a clearly legible condition.

Modifications

No modifications that could compromise safety may be made to the product without the manufacturer's consent. In particular, only the accessories specified in this operating manual may be used.

Tests, inspections

The legally prescribed intervals for recurring tests and inspections specified in Chapter "5 Maintenance, Servicing" must be observed.

Personnel selection, personnel qualification

Work with and on the lifting lug may only be carried out by personnel who are authorized by the operator and are reliable. Work on the lifting lug requires the knowledge of trained personnel and, for certain tasks, appropriate professional qualifications. The operator must therefore ensure that only trained personnel or, if required for the task to be performed, qualified specialist personnel are used for the operation and maintenance of the lifting lug.

Certified instruction of operating personnel

- The operator is obliged to instruct every person who works on or with the product. Participation in instruction, training, etc. should be confirmed to the operator in writing.

⚠ WARNING

- Only trained, authorized persons may work with the product.

- The operator must clearly and unambiguously define the areas of responsibility of the personnel for operation and maintenance.
- The operator must explain to the operating personnel their responsibilities, including with regard to safe behavior, and enable them to refuse instructions that are contrary to safety.

The operator must ensure, through appropriate organizational and instructional measures, that the relevant safety regulations and rules are observed by the persons entrusted with the operation, maintenance, and repair of the product.

The operator must check the safety-conscious and hazard-aware behavior of the personnel at least occasionally.

Personal protective equipment

The operator is obliged to provide staff with the necessary personal protective equipment, e.g. protective clothing, protective gloves, and safety shoes.

2.2.2 Obligations of personnel

All persons assigned to work with the lifting lug undertake to

- behave in a safe and responsible manner with regard to occupational safety at all times.
- comply with and observe the applicable national laws and regulations as well as the operator's internal regulations on accident prevention, occupational safety, and firefighting.
- in the event of changes in operating behavior and malfunctions that endanger the safety of persons:
 - to stop the work process immediately
 - to report malfunctions immediately to the responsible department/person
 - to inform the personnel concerned

2.3 General safety instructions**⚠ WARNING**

- Improper installation, modifications, or incorrect operation can cause personal injury and property damage.

- Observe the safety instructions and operating instructions in this operating manual.
- Observe the national requirements for occupational safety and accident prevention regulations.
- The product may only be used for its intended purpose, namely the transport and lifting of products from Bernd Siegmund GmbH.
- The product may only be used with the accessories and slings specified by Bernd Siegmund GmbH.
- The lifting lug must be fully functional and in perfect technical condition when used. A visual inspection for material damage must be carried out before each use.
- Observe the specifications regarding maximum load capacity, number of lifting lugs to be used, and attachment points.
- No technical modifications may be made to the product.

- When lifting, make sure to keep all body parts (fingers, hands, arms, etc.) out of the danger zone (risk of crushing).
- When lifting, ensure that the load is in a stable position to prevent it from swinging.
- No persons may be allowed to stand beneath the load (danger zone). For this reason, only lift the load as high as necessary.
- Ensure that there are no objects on the load that could fall or cause it to become unbalanced.

**WARNING****Danger from falling loads**

Incorrect installation; use of damaged products or incorrect accessories; failure to observe occupational safety regulations.

- Before each use, check the integrity of the product and accessories (see Chapter 5 “Maintenance”).
- Only use the specified accessories (lifting gear) (see Chapter 3.3).
- Only lift the load as high as necessary. Never allow people to stand beneath the load.
- Observe the maximum load capacity and the instructions for determining the attachment points and the number of lifting lugs to be used (see section 4.2)

**CAUTION****Danger from falling objects**

Items on top of the cargo may fall off

- Make sure that there are no objects on the transported goods that could fall off.

Maintenance instructions

The reliability of the product can only be guaranteed if the maintenance instructions in this operating manual and the operating manuals for the components are followed exactly.

Environmental regulations

All work must comply with the applicable environmental protection regulations.

When selecting cleaning agents and operating materials, pay attention to environmental compatibility, health risks, disposal regulations, and your local options for proper disposal!

3 Product

3.1 Product description

The lifting lug is positioned and secured on a welding table or U-bracket using four ball clamping bolts. The lifting lug then serves as an attachment point for lifting the component..

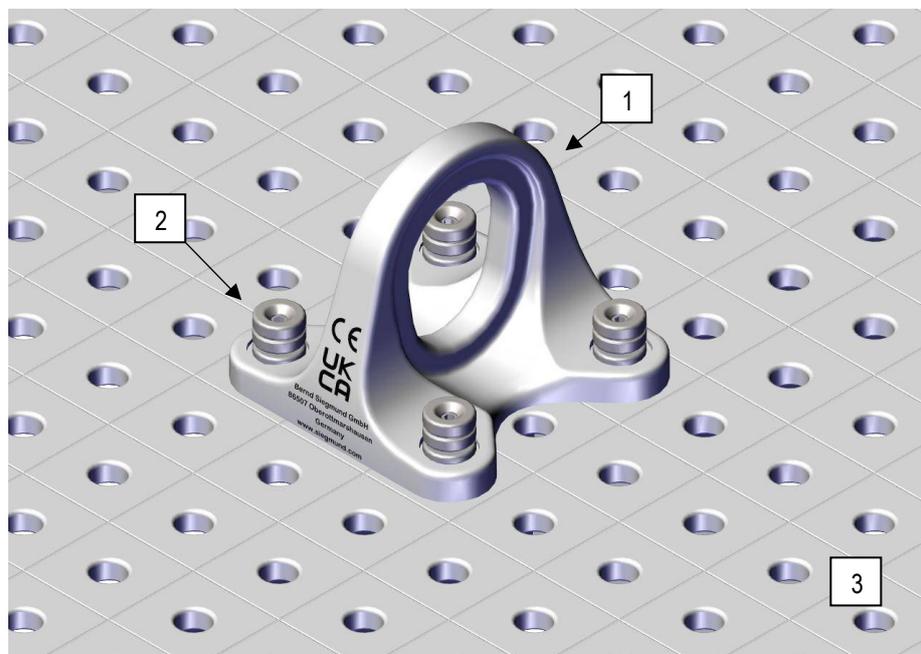


Abb. 1 Lifting lug with ball clamping bolt on welding table

Pos.	Description
1	Lifting lug
2	Ball clamping bolts (4 pieces)
3	Welding table

The lifting lug is available in 2 different sizes:

- 160836 (16004541)
- 280836 (28006959)

3.2 Scope of delivery

The lifting lug consists of the components described in section 3.1.

- Lifting lug 160836 or 280836

3.3 Accessories & rigging equipment

The lifting lug may only be attached to Bernd Siegmund GmbH components (e.g. welding tables, perforated plates, and U-brackets) using the Bernd Siegmund GmbH ball clamping bolts listed here with the appropriate tightening torque (see section 3.6).

- Siegmund ball clamping bolt
 - o 160511
 - o 002822
 - o 280511

Only approved and tested crane hooks and other standardized and tested accessories may be used on the crane side.

WARNING

Only rigging equipment that comply with the relevant safety standards may be used with the crane.
For EU: EN 818-4; EN 818-5; DIN EN 13414-1; EN 1492-1; EN 1492-2.

3.4 Intended use

The lifting lug is used to lift and transport products manufactured by Bernd Siegmund GmbH, and is mainly used for

- Lifting the welding table top for mounting table legs
- Transporting and relocating welding tables, perforated plates, or U-brackets within the factory

WARNING

Only use the specified accessories

The product may only be used for its intended purpose, namely the transport and lifting of products manufactured by Bernd Siegmund GmbH.

The lifting lug and accessories must not be modified without consulting the manufacturer.

Intended use also includes:

- using the product only in perfect, functional condition
- complying with the operating and environmental conditions specified by the manufacturer
- complying with the procedures described in these operating instructions and observing all safety instructions.

WARNING

- Only use the product in accordance with its intended use and technical data (see section 3.6)

The manufacturer accepts no liability for any personal injury or property damage resulting from improper use of the product.

3.5 Predictable misuse

Misuse occurs when

- the lifting lug is used to lift or transport goods other than those listed in Chapter 3.4 Intended use. Persons and animals must not be transported under any circumstances.
- accessories and rigging equipment are used that are not listed or described in Chapter 3.3 Accessories and rigging equipment.

WARNING

- Do not use components if they are damaged.
- The lifting lug may only be used for the purpose described in the intended use

It is not permitted to

- Transport people or animals
- Lift components over people
- Hang components permanently
- Hang components unattended
- Use bolts not approved by Bernd Siegmund GmbH
- Pick up the lifting lug with the forks of a forklift truck or similar and lift the components with them
- Use the lifting lug with fewer than 4 ball clamping bolts.
- Transport customer components that are lying on the welding table to be transported

All types of use not described in section “3.4 Intended use” are prohibited and are considered misuse.

CAUTION

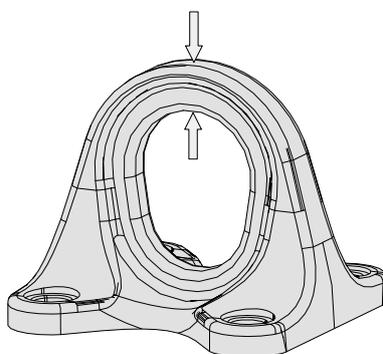
There must be no objects on the transport object

3.6 Technical data

Article number (ERP-number), lifting lug	160836 (16004541)	280836 (28006959)	
Dimension (Length,x Width x Height, ca.)	141 x 141 x 120	157 x 157 x 147	mm
Weight, ca.	3,1	6,1	kg
Diameter of the opening, ca.	60	78	mm
Maximum load, straight pull	1500	3000	kg
Maximum load, diagonal pull (45°)	900	1800	kg
Environmental conditions			
Surroundings	Industrial and commercial areas, dry indoor spaces		
Temperature	0 bis +40		°C

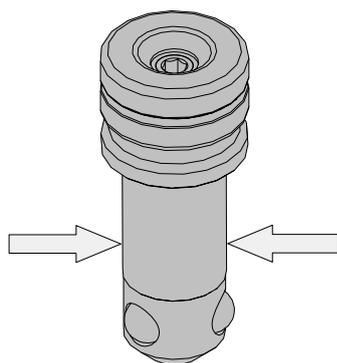
Article number, bolts	160511	002822	280511	
Tightening torque	10	15	25	Nm

3.7 Working limits



Article number (ERP-number), Lifting lug	160836 (16004541)	280836 (28006959)	
Thickness (new)	21,4	29,1	mm
Minimal thickness (according to DIN 15429)	20,3	27,6	mm

The working limit of the component must be checked regularly due to wear and tear during use. The thickness must be measured at the uppermost point and if it falls below the minimum thickness, the lifting lug must no longer be used.



Article number, bolts	160511	002822	280511	
Diameter (new)	16	28 22	28	mm
Minimal thickness	15,5	27,5 21,5	27,5	mm

The working limit of the component must be checked regularly due to wear and tear during use. The diameter must be measured and if it falls below the minimum diameter, the bolt must no longer be used.

3.8 Type plate



Symbol	Description	
	ERP - number	16004541 oder 28006959
	Year of manufacture Month and year of manufacture	„MMYY“
	Serial number Unique identification number of the product.	„####“
	CE labelling The product fulfils all applicable European directives and regulations.	
	UKCA labelling The product fulfils all applicable directives and regulations of the United Kingdom (UK).	
	Attention: Read the operating instructions! Read these operating instructions carefully before use and keep them for future reference!	
	Manufacturer and address	Bernd Sigmund GmbH 865087 Oberottmarshausen Germany www.siegmund.com
	Symbol for maximum load, straight pull	Depending on product
	Symbol for maximum load, diagonal pull (45°)	Depending on product

4 Operation

4.1 Safety

Before each use, a visual inspection of the lifting lug and accessories must be carried out to ensure that they are intact and in good working order, i.e. check

- damage to all components
- that the ball clamping bolts are functioning properly

In addition to visual inspection, the processing limits of the components defined in Chapter 3.7 must be checked regularly.



WARNING

Visual inspection of the component before each use, regular inspection of the working limit

4.2 Lay out the product correctly and determine the attachment points

The maximum permissible load on the lifting lug is defined in section 3.6 and is also indicated on the product. The number and type of lifting lugs to be used must be determined based on the weight of the component to be moved. The weights of Bernd Siegmund GmbH products can be found online or in the Bernd Siegmund GmbH catalog.

When using a lifting lug, it must be placed and secured in the center of the component to be transported. Correct placement can be confirmed by counting the Siegmund system holes on all sides.

When using two lifting lugs, these should be placed diagonally on the component to be transported as far as possible. Correct placement to achieve an even distance from the edge and thus an even load distribution can also be confirmed by counting the Siegmund system holes. Depending on the application, the reduced load capacity in diagonal pull must be taken into account; if necessary, a crossbeam must be used.

Each time a lifting lug is used, 4 bolts (corresponding to the system of the component to be lifted) must be used per lifting lug and tightened to the torque specified in section 3.6.

The rules of DGUV 109-017 (or corresponding country-specific regulations) must be followed..

4.3 Assembly and use

- Securely fasten the workpiece to the means of transport.
- Only use means of transport, lifting gear, and slings that are suitable for the load. Take the weight of the workpiece into account.
- Move the load slowly and smoothly.
- Avoid unstable positioning of the load on the means of transport, rocking, and swinging.
- Observe the applicable regulations for transport by crane.
- Do not use torn or frayed lifting gear such as ropes, straps, and belts.
- Do not place lifting gear such as ropes, straps, and belts on sharp edges and corners, do not knot them, and do not twist them.

- Set the load down when leaving the workplace.

Personnel

- Workpieces may only be transported by trained, authorized personnel.
- Persons who are not required for the work are prohibited from entering the danger zone.
- The operator must ensure that no one is endangered during lifting, transport, and setting down. Pay attention to persons in the transport path.

⚠ WARNING

Do not stand under suspended loads; no persons are permitted to stand below the load (danger zone). For this reason, only lift the load as high as necessary.

Lifting lugs and accessories must be visually inspected before each use.

Observe the specifications for maximum load capacity, number of lifting lugs and attachment points to be used, and the specified tightening torques.

Always remove lifting lugs before working with the table; use lifting lugs for transport only.

During the lifting process, make sure to keep all body parts (fingers, hands, arms, etc.) out of the danger zone (risk of crushing)

⚠ CAUTION

Remove bolts if they are not needed.

When lifting, ensure that the load is in a stable position to prevent it from swinging or rotating. .

5 Repairs and maintenance

Maintenance and servicing ensure that the lifting lug can always be used safely. The lifting lug is basically maintenance-free, but must always be in a fully functional, undamaged condition.

Before each use, a visual inspection of the lifting lug must be carried out to check that it is in good working order, i.e. check for

- damage, wear, deformation, corrosion, etc.
- Checking the accessories: Checking the ball clamping bolts for functionality. The quick-release clamping bolt must be able to be tightened evenly and smoothly.

Do not use defective components and replace them immediately.

WARNING

Perform a visual inspection before each use of the lifting lug.

The components must be checked at regular intervals for their wear limits (see section 3.7). Once the wear limits have been reached, the components must no longer be used.

Personnel

- Visual inspection of the lifting lug before each use only by trained, authorized personnel.

6 Decommissioning

Temporary decommissioning

Ensure suitable storage conditions; see section "3.6 Technical Data." Store the product in its original packaging in a protected location and ensure a dry environment.

Final decommissioning, disposal

- Dispose of the product safely and in an environmentally friendly manner.
- Observe country-specific regulations, laws, and provisions.

7 Appendix

7.1 Declaration of conformity

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CE

EU-Konformitätserklärung
EU Declaration of Conformity

Hiermit bestätigen wir, dass das nachfolgend bezeichnete Gerät den Anforderungen der angegebenen Richtlinien entspricht. Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller Bernd Siegmund GmbH.
 We hereby confirm that the product specified below complies with the requirements of the stated directives. This declaration of conformity is issued under the sole responsibility of the manufacturer Bernd Siegmund GmbH.

Artikelbezeichnung: <small>Article description:</small>	Tragöse <small>Lifting Lug</small>
Artikelnummer: <small>Article number:</small>	16004541 / 2806959
Firmenanschrift: <small>Company address</small>	Landsberger Straße 180 D-86507 Oberottmarshausen GERMANY

Einschlägige Harmonisierungsrechtsvorschriften der Union / relevant Union harmonisation legislation:

<small>Maschinenverordnung Machinery regulation 2023/1230/EU</small>	<small>Niederspannungsrichtlinie (LVD) Low-Voltage Directive (LVD) 2014/35/EU</small>
<small>Produktsicherheitsverordnung General product safety regulation (GPSR) 2023/988/EU</small>	<small>Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten Restriction of the use of certain hazardous substances (RoHS) 2011/65/EU + 2015/863/EU</small>

Normen und alle angewandten Gemeinsamen Spezifikationen (CS), für die die Konformität erklärt wird:
Standards and any Common Specifications (CS) applied in relation to which conformity is declared:

EN ISO 12100:2010
 EN 13001-1:2015
 EN 13155:2003+A2:2009
 EN ISO 20607:2019
 EN ISO 7010:2020
 ISO 3884-2:2012
 ISO 3884-3:2012

Konformitätsbewertungsverfahren:
 Das Produkt unterliegt dem Konformitätsbewertungsverfahren auf der Grundlage einer internen Fertigungskontrolle (Modul A – Verordnung (EU) 2023/1230, Anhang VI).
Conformity Assessment Procedure:
 The product is subject to the conformity assessment procedure based on internal production control (Module A - Regulation (EU) 2023/1230, Annex VI).

Unterzeichnet für und im Namen der Bernd Siegmund GmbH:
Signed for and on behalf of Bernd Siegmund GmbH:

Daniel Siegmund Geschäftsführer / CEO Oberottmarshausen	Bernd Siegmund GmbH Landsberger Straße 180 86507 Oberottmarshausen Tel.: +49 8203 9607-0 E-Mail: info@siegmond.com www.siegmond.com 05.08.25 <small>[stamp], [signature], [date]</small>
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DoK.ID: Tragöse_CE_Declaration of Conformity



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Declaration of Conformity
In accordance with UK Government Guidance

We hereby confirm that the product specified below complies with the requirements of the stated directives. This declaration of conformity is issued under the sole responsibility of the manufacturer Bernd Siegmund GmbH.

Article description:	Lifting Lug
Article number:	16004541 / 2806959
Company address:	Landsberger Straße 180 D-86507 Oberottmarshausen GERMANY

The object of the declaration described above is in conformity with the relevant UK Statutory Instruments (and their amendments):

Supply of Machinery (Safety) Regulations 2008	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.
The General Product Safety Regulations 2005	Electrical Equipment (Safety) Regulations 2016

Standards and any Common Specifications (CS) applied in relation to which conformity is declared:

EN ISO 12100:2010
 EN 13001-1:2015
 EN 13155:2003+A2:2009
 EN ISO 20607:2019
 EN ISO 7010:2020
 ISO 3864-2:2012
 ISO 3864-3:2012

Conformity Assessment Procedure:

The product is subject to the assessment of conformity with internal checks on the manufacture of machinery (PART 8 Annex VII).

Signed for and on behalf of Bernd Siegmund GmbH:

Daniel Siegmund
 CEO

Oberottmarshausen

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 86507 Oberottmarshausen
 Tel.: +49 8203 9607-0
 E-Mail: info@siegmund.com
 www.siegmund.com

05.08.25 
 [stamp], [signature], [date]

SUPPLEMENTARY INFORMATION: UK Authorised Representative / Importer / Distributor

Company Name

Address:

DoK.ID: Tragöse_UKCA_Declaration of Conformity

7.2 Spare parts



WARNING

Unsuitable spare parts can cause injury to persons and damage to property.

- Only use original spare parts from the manufacturer!
- Contact the service address (section 7.3) to obtain spare parts

7.3 Service address

This operating manual provides descriptions and instructions for operation and simple maintenance tasks.

It does not describe complex maintenance or repair work. For such tasks, please contact Bernd Siegmund GmbH or refer to the operating manuals for these components!

Do you have any questions or requests? We are happy to help.

Our company address is:

Bernd Siegmund GmbH
Landsberger Straße 180
D-86507 Oberottmarshausen

Tel.: +49 8203 9607-0

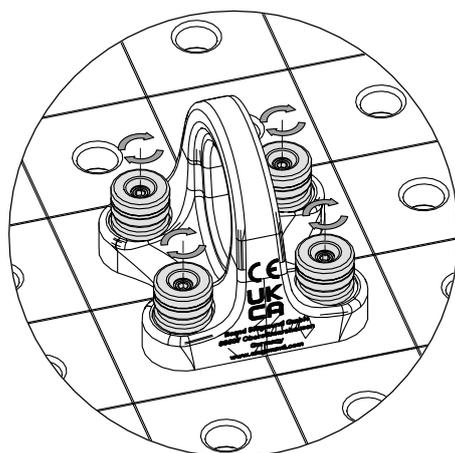
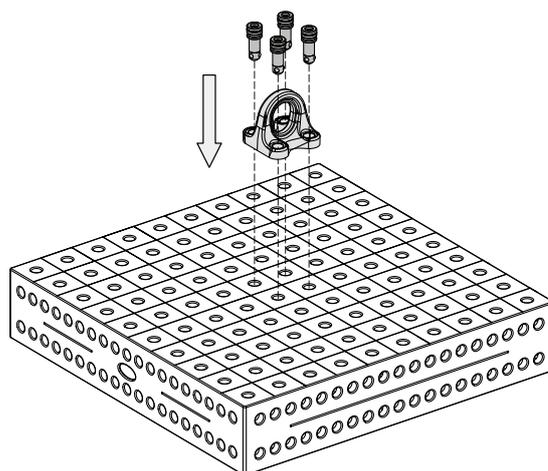
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8 Assembly manual

System 28



System 16

