

These operating instructions are for use on the construction site!

Caution Please refer to the operating instructions and safety regulations prior to operation!



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1. Definitions

Danger indicates a dangerous situation. If it is not avoided, it will cause death or major injuries.
Caution indicates a dangerous situation. If it is not avoided, it can cause light or minor injuries or material damage. It also indicates incorrect use.

2. Safety Regulations

2.1. Utilisation As Directed

- The flat clamp may only be used for the vertical transport of individual plates with parallel surfaces. It is also possible to erect horizontal plates and to put down upright plates.
No other type of use is allowed!
- Current safety regulations and the Accident Prevention Regulations must be respected.
- **The flat clamp may only be used near to the ground.**
- The plate must be of sufficient construction to withstand the forces during transport.

Danger The following is prohibited. There is a danger of the load being released:

- **Do not exceed** the safe working load.
- **Do not transport** several plates at the same time.
- **Do not transport** wet, oily, dirty or icy plates.
- No personnel are allowed to remain under the load or within the danger area: **life threatening!**
- **Do not transport** plates whose specification do not correspond with the flat clamp (e.g. wall thickness, weight) or do not transport any other elements.
- **Do not transport** conical elements.
- **Do not use** the equipment to transport people: **life threatening!**
- **Do not use** the equipment to transport animals.
- Always lift load vertically. It is unsafe to lift at an angle.
- **Do not allow** loads to break free, be pulled or dragged.
- **Do not allow** sudden movements and swaying of the load.
- Always lift jaw vertically. It is unsafe to lift at an angle.

Ensure that only fully finished, set and dry (never icy) concrete plates are transported.

2.2 Utilisation In Line With Safety Regulations

Although the flat clamp is technologically advanced in its construction, however, misuse or use against manufacturer's instructions may prove hazardous.

Danger The following must be respected:

- The contractor may only allow people who have been fully trained and instructed in its use to operate the equipment.
- Prior to operation of the equipment the operator must read in full and understand both the operating instructions and the safety regulations.
- Always work with safety in mind and avoid risks.
- **Never exceed** the safe working load.
- **Never use** the equipment, if there are any defects which may affect the safety of the flat clamp. No opportunity should arise whereby it is possible to use the equipment prior to repair.
- **Do not remove** any name plates from the flat clamp. Replace illegible or damaged plates.
- The individual protective clothing must comply with safety regulations: safety clothes, safety helmet, protective gloves and shoes.

2.3 Safety Measures

Caution The following must be respected:

- Only personnel who have been fully trained or instructed in its use can operate the equipment.

B 300 TRANSLATION OF THE ORIGINAL INSTRUCTIONS

Flat Clamp

- At regular intervals, check that work is being carried out safely.
- Store the operating instructions within easy reach of where the equipment is used.
- Do not allow the equipment to get dirty.

2.4 Duties Of The Operator Of The Material Handling Lifting Equipment

- The material handling lifting equipment and the rigging equipment must be in good working condition to operate safely.
- **Do not exceed** the safe working load of the material handling lifting equipment/rigging equipment!
- The operator must make sure that the load is safely fitted in and that no personnel remain within the hazardous area of the load to be lifted.
- The operator must be able to see the entire working area. If not, seek assistance.
- Only authorised personnel may operate the material handling lifting equipment.

2.5 Visual And Functional Inspection

- Prior to any operation, the functioning and the working condition of the material handling lifting equipment and the flat clamp must be examined. **Should there be any defects which may affect the safety of the equipment, the flat clamp must only be used following repair!** No opportunity should arise whereby it is possible to use the equipment prior to repair.
- In case of cracks, distortions or other defects found with the flat clamp, the equipment must be switched off immediately: **safety hazard!**

2.6 Inspections

Inspection prior to initial operation

The contractor must ensure that the flat clamp is only operated once it has been checked by an expert and only if defects have been repaired.

Regular inspections

The contractor must ensure that the flat clamp is checked by an expert at least once year.

Special inspections

The contractor must ensure that following damage or particular incidents, which may have affected the safe working load of the equipment, as well as following repairs, the flat clamp is subjected to a special inspection by an expert.

Recording

The contractor must ensure that all inspections are recorded. We recommend that all regular inspections and repairs are carried out by the manufacturer.

3. Specification

Order No.	Model	Only Suitable For	Safe Working Load	Clamping Range	Weight
300 100	FZ 0.8	Individual Plates	800 kg	0 - 60 mm	8 kg

Die WIMAG flat clamp FZ is designed for the safe transport of individual plates with parallel surfaces. Care must be taken to ensure that the safe working load is not exceeded and the clamping range respected. Always lift load vertically. It is unsafe to lift at an angle. (Fig. 2).

4. Initial Operation And Control

4.1 Initial Operation

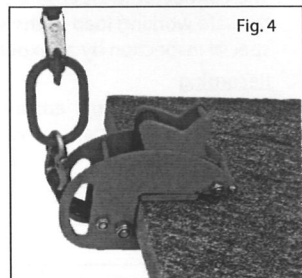
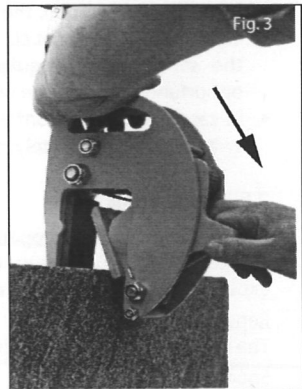
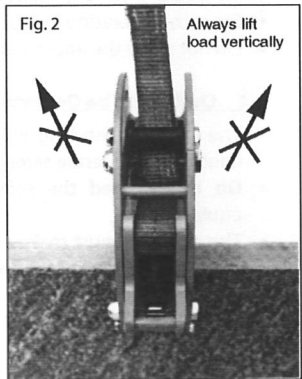
- The fully assembled flat clamp is delivered in a cardboard box.
- Remove package material and check quantity, and damage, if any.
- Prior to initial operation it must be ensured that the flat clamp is suited for the transport of the plate:
 - The material to be transported must be of sufficient construction to withstand the forces during transport, especially when putting down the plate.
 - The weight of the plate may not exceed the safe working load of the clamp.
 - The thickness of the plate must correspond to the clamping range of the clamp.
- The client must ensure that prior to operation the functioning and working condition of the flat clamp is examined by an expert and that any defects found are repaired.
- Fit loop of the sling in the load hook of the material handling lifting equipment. It must be ensured that the sling is not twisted and that it can be easily pulled through the jaw.
- Operate flat clamp using the handles only: **risk of injury!**

4.2 Control

The plate must be of sufficient construction to withstand the clamping forces during transport, **otherwise there is a danger of the load or parts of the load being released!**

- **Do not transport** wet, oily, dirty or even icy plates.
- Examine weight and thickness of the plate!
- The plate must have parallel surfaces!
- It must be ensured that the sling can easily be pulled through the jaw.
- Picking up of the plate

Plate in upright position: position clamp in the centre of the plate above the centre of gravity, open clamp against the spring tension and push in to the limit stop (Fig. 3). Now slowly lift plate for approx. 10 cm.



B 300 TRANSLATION OF THE ORIGINAL INSTRUCTIONS

Flat Clamp

Plate in horizontal position: position clamp in the centre of the plate above the centre of gravity and the narrow jaw must show downwards. Open clamp against the spring tension and push in to the limit stop (Fig. 4). Now lift plate for approx. 10 cm.

- After controlling the tight and safe fit of the clamp onto the plate, the plate may be transported near to the ground, **otherwise safety hazard!**

Danger Do not sway the load during transport: danger of being released!

- Always lift clamp vertically. It is unsafe to lift at an angle; **distortion and danger of releasing the load!**
- Set down plate (vertically or horizontally) and secure it against falling over.
- Release sling and release sling by pressing against the spring tension.

5. Maintenance

- Regular inspection of sling for damages.
- Regular inspection of all bolt connections.
- In case of wear and tear replace rubber jaw insert in time.
- Repair paint.
- All moveable parts must be easily moveable.
- Cleanliness increases the safety and the working life of the equipment.
- Only original spare parts may be used.

Maintenance works must only be carried out by experts.

6. Troubleshooting

As with all technical devices, the flat clamp may develop failures. Please consult the following checklist in the first instance in order to find out whether the failure can be easily solved. If not, please contact the manufacturer.

Problem	Solution
Clamp does not engage.	<ol style="list-style-type: none"> 1. Is the sling twisted? 2. Is the angle lever tension correct? 3. Is the plate oily, icy or dirty? 4. Is the plate thickness within the clamping range of the clamp? Does the plate have a conical shape? 5. Is the rubber coating worn out? 6. Does the weight of the plate exceed the safe working load? 7. Is the clamp damaged or deformed?
Clamp does not fit.	<ol style="list-style-type: none"> 1. Is the plate thickness within the clamping range of the clamp?

7. Repairs

- Repairs may only be carried out by experts or by the manufacturer.
- Only original spare parts may be used, otherwise the warranty will become invalid.

- Do not carry out any alterations or modifications.
- A special inspection must be carried out by an expert or by qualified personnel before the equipment can be operated again.

8. Warranty And Liability

The warranty and the liability are no longer valid, if the equipment has not been assembled, installed, operated, checked and maintained according to these instructions.

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

Prior to every operation the user must ensure that

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

Failures are to be reported in writing to the supplier immediately, at the latest two weeks following delivery.

It is unacceptable for the client to repair failures or have them repaired by a third party, and then request to be reimbursed for the costs.

According to the manufacturer's general contract conditions the equipment is under warranty for a period of six months from the invoice date. Wearing parts are not covered by the warranty.

The manufacturer is not responsible for any damage occurring in the event of an installation error or insufficient training by a third party, negligence, misuse or excessive stress of the equipment.

It is within the responsibility of the client to check prior to operation the functional condition of the equipment, the suitability of the load to be handled as well as any damage to the load before and after transport/installation.

The manufacturer does not take responsibility for any additional claims, for instance, the right to compensation for damage not caused to the equipment itself.

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Inspection Sheet

Model	
Serial number	
Year of construction	
Contractor	
Date of first operation	

The inspection of the load handling equipment is carried out by an expert according to BGR 500 Chapter 2.8 of January 2004.

Inspection And Maintenance According To BGR 500 Chapter 2.8

Inspection prior to initial operation according to 3.15.1:	
	Date Signature of expert
Special inspection according to 3.15.3:	
	Date Signature of expert
Regular inspection according to 3.15.2:	Result:
	Date Signature of expert
Regular inspection according to 3.15.2:	Result:
	Date Signature of expert
Regular inspection according to 3.15.2:	Result:
	Date Signature of expert
Regular inspection according to 3.15.2:	Result:
	Date Signature of expert

EC Declaration Of Conformity As Defined By Machinery Directive 2006/42/EC

We hereby declare that the design and the construction of the equipment mentioned hereafter complies with the following Directive.

This declaration will become invalid, if a modification of the equipment is carried out which has not been agreed with us as manufacturer.

The validity will also expire, if the equipment is not used as directed in accordance with manufacturer's relevant operating instructions and/or all regular inspections are not carried out according to BGR 500 Chapter 2.8.

Description:	WIMAG Flat Clamp
Directives:	EC Machinery Directive 2006/42/EC of 17 May 2006
Harmonised Standards:	DIN EN 13 155
National Standards:	BGR 500 Chapter 2.8 of January 2004

As stipulated in Annex VII of the EC Machinery Directive the following documents are available for inspection:

- Operating instruction
- Production drawings
- Production plans
- Static verification
- Certification of welding (DIN 18 800 Part 7)

The CE symbol is marked on the equipment.

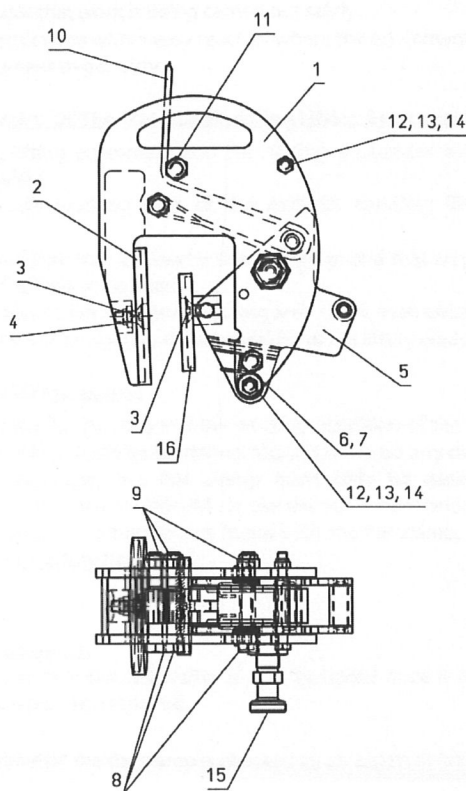
Obernburg, 29 December 2009



Gerhard Gressbach
(Dipl. Ing.)

E 300 SPARE PARTS LIST

Flat Clamp



Item No.	Description	FZ 0.8 300 100		
		Unit	Order No.	Price €/Unit
1	Outside clamp	1	046 886	
2	Pressure washer with rubber coating	1	046 884	
3	Countersunk head screw M 10 x 25	1	046 889	
4	Hexagonal nut M 10	1	051 102	
5	Tensioning unit	1	047 437	
6	Spiral ring, right	1	046 888	
7	Spiral ring, left	1	046 887	
8	Hexagonal head cap screw M 12 x 80	3	050 031	
9	Hexagonal nut M 12	3	051 103	
10	Web sling HZ 30	1	046 878	
11	Pulley	1	047 442	
12	Bush	2	046 874	
13	Hexagonal head cap screw M 8 x 80	2	050 013	
14	Hexagonal nut M 8	2	051 101	
15	Stop bolt	1	041 594	
16	Pressure washer with rubber coating	1	048 720	