

NÁVOD K OBSLUZE

INSTRUCTIONS FOR USE

Chain conveyor

GLENOWELL CZ s.r.o.
Na Truhlářce 2000/33
CZ – 180 00 Praha 8



GLENOWELL CZ s.r.o.
Na Truhlářce 2000/33, CZ – 180 00 Praha 8
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Dear Customer,

The chain conveyor is designed into operations for transporting the pieces of material, mainly steel materials.

The conveyors comply with the applicable safety regulations. For questions regarding our products, please contact our sales department at the following address:

GLENOWELL CZ s.r.o.
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1. General information

The design of the conveyor is based on years of experience and verification in the operation.

The materials used for production are of guaranteed quality, and conform to the specification of the production documentation. Each product is manufactured and tested in accordance with proven technical documents.

Before starting work, the user and the operator is obliged to properly get acquainted with the “Instructions for Use”. It contains important information about work safety, installation, operation, maintenance, and must be considered a part of the device. Error-free and safe work with the machine and its durability depends largely on proper and careful maintenance of the machine.

If any information in this manual will be incomprehensible to you, contact the manufacturer of the machine. After completing the data on the machine purchase, we recommend you making a copy of the “Instructions for Use”, and keeping carefully the original in case of loss or damage.

Follow the safety instructions while working to avoid the risk of injury of yourself or others persons nearby. These instructions are marked in the “Instructions for Use” by this safety alert symbol:



When you see this symbol in the manual, carefully read the following statement.

1.1 Safety instructions

The machine is designed in accordance with the approved safety rules. Nevertheless, when using the machine, it can cause serious health hazards of the user or third persons, or adverse effects on the machine or other property values. To avoid these threats as much as possible, it is essential to ensure the safety instructions mentioned in the instruction manual. During any maintenance, servicing or repair work, keep the machine disconnected from the electrical energy (excluding adjustment of the steel belt). Pay attention to staff training and professional qualifications of the personnel for operation, maintenance and installation of the conveyor.



Qualification and training of personnel

Personnel for operation, maintenance and installation of the conveyor must demonstrate appropriate skills for these works. The operator must precisely determine by using the Rules the areas of responsibility, authority and supervision of staff. If the staff do not have the necessary expertise, it is necessary to train and instruct them. This can be ordered, if necessary, by the manufacturer or supplier.

**Hazards resulting from non-compliance with safety instructions**

Non-compliance with safety instructions can lead to personal injury and damage to the machine. This can lead to loss of any claims for damages.

**Safety instructions for maintenance and installation work**

The operator must ensure that all maintenance and installation work is performed by authorized and qualified personnel who are sufficiently informed through a detailed study of the “Instructions for Use”. Work on the machine must be carried out principally in the off state. The way of putting the machine to a standstill described in the “Instructions for Use” must be strictly adhered to.

**Unauthorised modification and manufacture of spare parts**

Rebuilding or changing the electrical wiring / the machine can be done only with the permission of the manufacturer. Original spare parts and accessories authorized by the manufacturer serve to safety. Using other parts will void the warranty for any possible consequences.

**Unauthorized method of operation**

The safety of operation of the delivered machine is guaranteed only when using the machine, which corresponds to section 1.1 of this manual.

**Symbol of work safety**

You will find this symbol in this manual with all instructions relating to safety at work, and where there is danger to life of people. Follow these instructions and act with particular caution in these cases. Hand over also all the instructions on work safety to all other users.

**Attention High Voltage**

This symbol stands in all places where special attention due to the occurrence of voltage is needed and where it is necessary to adhere to safety measures. When working on the machine, it is necessary in principle to disconnect the machine from the mains.



Instruction Attention!

This instruction stands in all places of the “Instructions for Use”, which must be particularly noticed to comply with all the directives, regulations, guidelines and proper conduct of the work and to prevent damage to the electrical wiring and / or the machine.

1.2 Safety regulations

- All maintenance and repair work on the conveyor, as well as changes of positions through rotation or shifting can be performed only in the state without power (pull the plug from the mains)
- Transportation of conveyor may only be in the lower position
- Entering on the conveyor or crossing the conveyor during operation is prohibited
- All protective equipment or safety equipment used for maintenance, cleaning or repair must always be removed again after the work is completed
- When shifting and rotating, pay attention to the power lines
- When shifting, rotating and operating, nobody can hang on the conveyor or ride on the conveyor

The operator shall draw up safety guidelines for operating a conveyor identifying any potential risks for further negotiations with the work safety.

2. Main technical data

Designation	Conveyor						
Type	CHAIN CONVEYOR						
Belt width (NW mm)	300	400	500	650	800	1000	1200 1600
Input power of the drive (kW)	It is indicated on the nameplate						
Incline of the conveyor	Smooth belt maximum of 20 % Belt with carriers maximum of 60 %						
Belt speed	Standard 0.15 m.s ⁻¹ Optional drives according to the type up to 0.3 m.s ⁻¹						
Voltage of network	According to the manual of the gearbox						
Type of protection	According to the manual of the gearbox						

3. Use

According to the “Instructions for Use”, the machine is used exclusively for transporting the pieces of material. Observing the operating, maintenance and installation conditions prescribed by the manufacturer also belongs to the correct use.

The machine can be used, maintained and commissioned only by persons who are familiar with the machine and know the possible dangers. Never make arbitrary changes. Otherwise, any liability for possible damages will be cancelled.

Design changes within the further technical development without changing the “Instructions for Use” are reserved.



Important safety precautions

Applicable safety regulations must be followed during commissioning, maintenance and verification of the control / of the machine. Compliance with regulations also applies to the operator.



Safety instructions for the user / operator

- Do not touch the moving parts on the conveyor during movement
- Eliminate the risk of electric shock

4. Putting into operation

According to the project, the conveyor must be built on a solid foundation. It must be secured against displacement. A specialist must perform the electrical connection for stationary conveyors. The steel belt must be tight correctly. After turning on the conveyor, it is necessary to review the running direction of the belt, correct tension, running of the belt and adjust the belt. It needs to check the movement of the belt in the angle for the angled conveyors. Optionally to change the direction of movement of the belt by rotating the phases or polarity reversal.

The latter must be done by a specialist. Follow the instruction manual for frequency converter for conveyors with the frequency control.

When handling and putting into operation it is necessary to follow the operating instructions of the manufacturer or subcontractor.

The operator shall ensure start-up process documentation and maintenance documentation, depending on the requirements of the manufacturer or subcontractor.

5. Maintenance

Attention! During any maintenance, servicing or repair work, disconnect the machine from the electricity supply (pull the plug from the mains).

The following work must be carried out after twenty hours of operation of the new conveyors:

- Check, whether all screws are tightened, possibly tighten them
- Check, whether all ball bearings are self-lubricating and thus maintenance-free
- Observe maintenance instructions of the manufacturer of the engine for drives through gearboxes
- Examine the running and tension of the belt and, if necessary, modify or tighten
- Check running of belt in the angle for angled conveyors
- Check the chain and possibly perform lubrication

6. Drive with the plug gearbox

Drives of this type are essentially maintenance free. It is necessary to follow the instructions passed on the installation, operation and maintenance.

UPON COMPLETION OF ALL WORKS, TIGHTEN AGAIN ALL LOOSE SCREWS

7. Adjustment of the steel belt

The steel belt may be adjusted only when operating the conveyor. First, it should be adjusted unloaded. After adjustment it is necessary to re-tighten all loose nuts and bolts.

8. Warranty conditions

The manufacturer guarantees the machine in the duration of six months from the date of commissioning, but a maximum of twelve months from the date of delivery, unless the contract provides otherwise.

If the product is not used in accordance with its purpose, it is a reason for the manufacturer to cancel the warranty conditions.

The warranty is dealt by the supplier: **GLENOWELL CZ s.r.o.**

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9. Possible problems, causes and troubleshooting

Problem	Cause	Method of troubleshooting
The belt rides down to one side	Asymmetrical stretching of the belt	Adjust the beginning of belt on the towing and idler head
Unusual noise of gears	a) Foreign body in oil b) Defective bearings c) Damaged gearing	a) Change oil b) Service c) Service
Oil flows from the gearbox	a) Faulty seal b) The gearbox is not bled c) Too much oil	a) Service b) Bleed the gearbox c) Adjust the amount of oil
Gearbox drive shaft does not rotate although the motor is running	The connection of the shaft hub is interrupted	Service
The conveyor is stopped	Overload conveyor (current protection has popped)	Do not overload the conveyor, reduce the height of the material / decrease performance

10.Spare parts

When ordering parts, please state:

- **Serial number**
- Type of product
- Product design: width, length, drive, type of the belt
- Contract number
- Date of delivery of the product
- Spare part

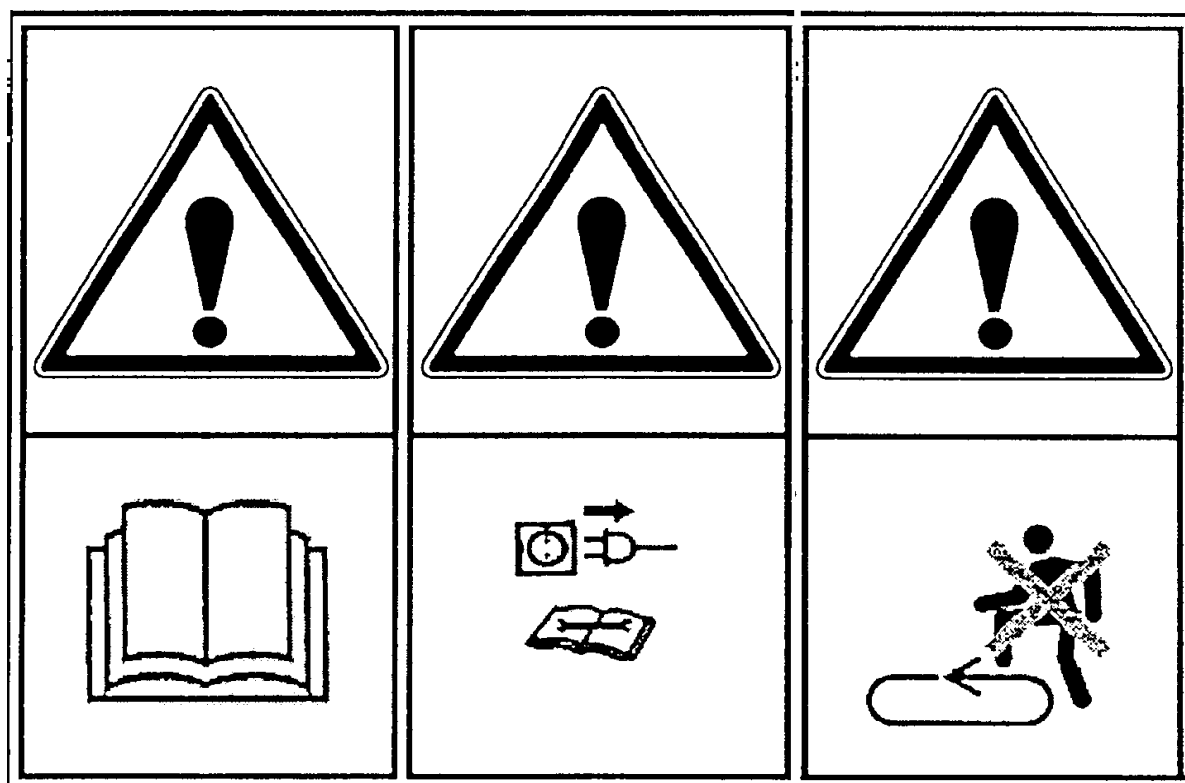
11.Used safety pictograms

Warning:

User is obliged to maintain the pictograms legible and to replace them in case they are damaged!

After installation, attach the pictograms on the machine on places visible from the access directions.

The used pictograms and their meanings



Before use read the
“Instructions for Use”

Before starting any repair,
adjustment or maintenance,
disconnect the machine
from the electrical power
and follow the instructions

Do not walk on the moving
parts