

Jib boom

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# 1 Maintenance information for jib boom

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## 1.1 Personnel requirements / qualifications / unauthorized personnel



**WARNING!**

**Personnel who are not adequately trained are at risk of injury!**

Improper use can result in serious injury to persons and property.

Therefore:

- All activities may only be performed by qualified personnel

The following qualifications have been mentioned in this maintenance manual for different areas of operation:

- **Trained personnel/operators**

have been instructed by the operator about the tasks assigned to him/her and the possible hazards resulting from improper use.

- **Qualified specialists**

are, due to their specialized training, knowledge, experience and knowledge of applicable regulations, capable of carrying out work assigned to them, while independently recognizing and avoiding possible risk.

Only those persons are authorized as personnel who can be expected to perform their work reliably. People whose capacity for reaction is influenced e.g. by drugs, alcohol, or medications are not authorized.

- When selecting personnel, all age- and occupation-specific guidelines must be observed that are applicable at the deployment site.



**WARNING!**

**Danger for unauthorized personnel!**

Unauthorized persons who do not meet the requirements described here are not acquainted with the dangers in the working area.

Therefore:

- Keep unauthorized persons away from the working area.
- In case of doubt, address the person and direct them away from the working area.
- Stop working as long as unauthorized persons are in the working area.

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### 1.2 Safety

#### Improperly executed maintenance work



#### **WARNING!**

#### **Danger of injury due to improperly executed maintenance tasks!**

Improper maintenance can result in serious injury to person and property.

Therefore:

- Before starting work, make sure there is sufficient space for assembly.
- Make sure the installation area is tidy and clean! Loosely stacked or scattered components and tools are a source of accidents.

If components have been removed, be careful to reinstall them properly, replace all fastening elements, and comply with screw tightening torques.

#### **Personal protective equipment**

Wear the following personal protective equipment during all maintenance work:

- Protective work clothing
- Protective footwear

Wear the following personal protective equipment during all maintenance work carried out by technicians:

- Protective headgear
- Protective gloves

### 1.3 Maintenance plan

The next sections describe the maintenance tasks required for optimal and trouble-free operation. If damage and/or defects are found, the jib boom must be shut down immediately. A restart is only permitted after testing and approval by a technician.

If regular inspections reveal increased wear and tear, the corresponding maintenance intervals should be shortened in accordance with the actual indications of wear.

Contact the manufacturer with any questions about maintenance tasks or intervals.

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Interval	Maintenance work	To be carried out by
daily	<ul style="list-style-type: none"> <li>■ Visual inspection for damage and deformations</li> </ul>	Operator
4 weeks after commissioning	Visual inspection and functional test of the entire column jib boom: <ul style="list-style-type: none"> <li>■ Testing for deformation, difficulty of movement, excessive dirt. (In particular for safety systems such as for example pivot buffers)</li> </ul>	Technician
Quarterly	Visual inspection and functional test of the entire jib boom: <ul style="list-style-type: none"> <li>■ Testing for deformation, difficulty of movement, excessive dirt.</li> </ul>	Technician
	Visual inspection and functional test of the carrier rail and trolleys of the accessories: <ul style="list-style-type: none"> <li>■ Check for damage/deformations, ease of motion of the rollers, running noise.</li> </ul>	Technician
	Visual inspection and functional test of all accessories and media feeds: <ul style="list-style-type: none"> <li>■ Check for proper installation and correct laying of hoses.</li> </ul>	Technician
Twice yearly	Visual inspection and functional test of the pivot bearing on the column: <ul style="list-style-type: none"> <li>■ Check for ease of motion.</li> <li>■ Visual inspection of holder, axis, and holding plate for deformation and damage.</li> </ul>	Technician
	Check of screw connections: <ul style="list-style-type: none"> <li>■ Check for firm seating of the screws.</li> <li>■ Tighten to torque if necessary:               <ul style="list-style-type: none"> <li>● Crescent wrench SW13: 25 Nm</li> <li>● Crescent wrench SW17: 49 Nm</li> <li>● Crescent wrench SW19: 85 Nm</li> </ul> </li> </ul>	Technician
	Visual inspection of welding seams: <ul style="list-style-type: none"> <li>■ Visual check for cracks and damage.</li> </ul>	Technician

Damaged parts and components must be replaced with original replacement parts before restarting the system. Manipulation (drilling, welding, etc.) of load-bearing components is prohibited!

All maintenance and repair work must be documented.