

MOVLIMIT GNSS

Lifting and slewing limitation system

The global lifting and slewing limitation system **MOVLIMIT GNSS** significantly enhances work safety. Particularly in rail construction projects, the system protects both workers and machines through clear limitations. It is universally applicable to various excavator types and models and can be adapted for specialized applications. A user-friendly online platform allows for remote creation of limits, thereby relieving excavator operators and delegating technical tasks to experts.



Functions

- Limitation of the machine's working area
- Lamp indicating the active system
- Online platform for defining limits
- Visual indication and warning on display

Advantages

- Compatibility / expandability with MOVASYST systems
- Intuitive operation
- Cost-effective
- Easy and quick installation (within approximately 10 hours)
- Flexible sensor mounting on the boom
- Minimal number of components
- Robust CAN-bus communication with industry-standard M12 connectors

Scope of delivery

- Sensors
- Display with bracket
- Cable harness
- Hydraulic block with proportional valves
- Control unit
- GNSS receiver
- Gateway

Specifications

System voltage	12 V / 24 V
Power consumption	<10 W
control	
Power consumption	<200 W
valves	
Accuracy	+/- 5cm
IP protection	IP65

Highlights

- No impact on excavator performance
- No interference from magnetic fields
- Adjustable damping ramp for smooth braking
- Ideal for construction sites with safety zones (e.g., rail construction)
- System activation indicated by a green lamp
- Online platform for defining limits
- Available as a white label
- Compatible with DXF, STL, and CSV files