

NEWS ON ALU CRANE MODEL: ALU Gantry Crane Models are approved for material handling and personal protection for people



Securing persons against falling the SCHILLING aluminum gantry crane as an anchorage device according to EN 795:2012

The sophisticated systems of SCHILLING aluminum gantry cranes can also be used for alternative purposes. In addition to the traditional lifting of loads, the securing of persons is now also certified and therefore permitted.

The SCHILLING aluminum gantry crane has been type-tested in conjunction with the trolley as an anchorage device. The person to be secured can secure themselves directly to the trolley using “personal protective equipment” of their choice. Any rescuer can then also secure themselves to the same trolley.

A maximum of one user per trolley can secure themselves against falling with their “personal protective equipment”. The trolley itself is secured by activating the red strap.

In general, our aluminum gantry crane systems are characterized by their high flexibility and easy handling. The height- and length-adjustable, free-standing construction can be easily assembled and dismantled in a few simple steps. No structural modifications (e.g. dowel fixings or similar) are necessary.

- ▲ stationary version up to load capacity 1,500 kg single beam
- ▲ stationary version up to load capacity 3,000 kg double beam
- ▲ movable under load up to load capacity 1,500 kg single beam
- ▲ movable under load up to load capacity 3,000 kg double beam
- ▲ with folding side frames
- ▲ with plug-in / split aluminum beam
- ▲ incl. lockable park-brake trolley
- ▲ incl. integrated horizontal adjuster

Lifting loads, securing people – tested and approved

Load capacity aluminum gantry crane

- Depending on the load capacity of the gantry crane, up to 5 trolleys can be used, so that up to 5 people can be secured at the same time.
- The trolley used to secure persons must not be used to carry a load at the same time, no load may be picked up in parallel.
- If a trolley is used to carry a load, another trolley may be used in parallel to secure persons. This reduces the nominal load of the crane by 600 kg.
- If several trolleys are used to secure persons, the nominal load is reduced by a further 100 kg for each additional person to be secured.

Permissible number of persons

500 kg	☺
1000 kg	☺☺
1500 kg	☺☺☺
2000 kg	☺☺☺☺
3000 kg	☺☺☺☺☺

When working in areas where there is a risk of falling „personal protective equipment“ against falls from a height must be used. See also DGUV Rule 112-198

Anchor devices according to DIN EN 795 are components in fall arrest, restraint, or work positioning systems.

Crane rated load	
Crane rated load	2,000 kg
Trolley for personal safety device	- 600 kg
Additional trolley for personal safety device:	- 100 kg
Remaining load capacity	1,300 kg

The gantry crane is approved for securing persons, but not for transporting persons. It must therefore not be used for lowering persons. The requirements for anchorage devices that can be removed from the structure as part of the fastening system are regulated in DIN EN 795, among others. The anchorage device itself is defined in the PPE.

PPE against falls from a height is classified in risk category III (protection against risks that could lead to very serious consequences such as death or irreversible damage to health). The conformity assessment procedure for PPE against falls from a height includes an EU type examination.

Type examination of anchorage system SCHILLING aluminum gantry cranes are type-approved for use as a type B anchorage device for securing persons in accordance with DIN EN 795:2012.

Normative reference

User responsibility

EN 360	Personal protective equipment against falls from a height – Fall arresters The retractable type of fall arrester should always be attached to anchorage devices which are located vertically above the person.
EN 362	Personal protective equipment against falls from a height – Lanyard
EN 363	Personal protective equipment – Personal fall arrest systems
EN 365	Personal protective equipment against falls from a height - General requirements for instructions for use, Maintenance, periodic inspection, repair, marking and packaging

Responsibility: DIN EN 795 Personal protective equipment – Anchor devices