

Load capacity: from [2,000 kg] to [8,000 kg]
Lift height: from [1,100 mm] to [1,600 mm]

>PLX< scissor lift tables have been developed especially for the heavy-duty loading sector. A particularly robust structure, a substantial range of features even in the basic model, and an extensive package of optional extras make our >PLX< series the perfect choice for safe loading and unloading. Our COLUMBUS McKINNON scissor lift tables feature a reinforced steel structure, allowing them to withstand even high stresses in the loading sector. This means that >PLX< scissor lift tables can be accessed on all sides using manually operated floor conveyors, and are able to withstand wheel loads of up to 5t. The base frame is a self-supporting construction, that is, no need to be filled with concrete. The safety concept of these models also meets the highest standards. High-quality components ensure long-term functional reliability. All of these features make the >PLX< series the perfect choice for logistics tasks in challenging everyday loading conditions. Their modular design means that even customer-specific solutions can be implemented with ease.

Product information:

- Very solid structure, developed especially for use in the loading sector
- Platform lengths of 1,600 to 4,000mm in standard models
- Lifting category as per DIN EN1570-1:2011: 3 or as per specification
- High clock rate – approx. 10-15 cycles/h depending on the model
- Designed and manufactured in accordance with the DIN EN1570-1:2011 standard, CE mark
- Warp-resistant steel structure made from hollow profiles or solid plate.
- Very wide range of optional extras.



Standard features:

- Chequer plate platform surface (6 or 8mm)
- Maintenance hatches for access to the area underneath the platform
- Tilt protection on upper frame; also available for base frame on request
- Aluminium profile safety strip on all sides, spring-mounted
- Safe, tested maintenance supports
- Adjustable mechanical limit switch for upper end position
- Hydr. cylinder with integrated rupture valve
- Overload valve (setting approx. 110% of nominal load capacity)
- Low-maintenance, high-quality bearings
- Pressure compensation for constant lowering speed, regardless of load
- Additional mechanical end stop for lifting cylinder
- Hydro-compact unit: S3, ED 10% (10min).
- Sa2 steel structure – sandblasted, then powder- or 2K-PUR-coated, min. 90 µm
- Colours: Base frame and scissor structure in RAL9007 (grey), platform in RAL5015 (dark blue), platform fittings in RAL1003 (yellow)



Loading and unloading possible on all sides

Electrical equipment and controls:

- Control cabinet with controls on the front panel on a 7m power cable; integrated, lockable main switch; customised controls available as on request
- Safety level Plc (performance level c); 3x400V, 50 Hz
- Control voltage 24 V DC / Motor protection class IP54

Customised models:

We also produce **customised models**. Simply ask our technical advisors about your preferred configuration.



Reinforced platform allows the table to be driven over with high wheel and axle loads:

Max. wheel load: 5.0t

Max. axle load: 10.0t

(reference: surface of 400x200 mm)

Standard options for the loading sector.

Bolted-in rails



Rails are always required where the vertical drop is > 500 mm and the effective lift height is < 1600 mm. Rails are designed in accordance with the specifications set forth in the EN15070-1:2011 standard, with a height of 1100 mm and a rigid knee and foot rail. The rails on our COLUMBUS McKINNON model are made from robust 50x50x3 profiles. In order to ensure that safety clearances are respected, the rails are generally positioned 120 mm from the edges of the platform. Platform fittings reduce the usable platform surface.

Safety doors



A safety door is usually combined with a rail and secures the side via which loading or unloading takes place when the platform is in a raised or lowered position. Safety doors are often fitted when the lift table is used as a working platform. The door is locked by means of a safety lock, which only opens when the lift table is in a secure position.

Tailboards



Segmented tailboards are an effective way of bridging the gap between the vehicle and the lift table. The standard segment split is usually approx, 400x400 mm. The max. load capacity of a single segment is 750 kg. For lift heights of < 1600 mm, the side facing towards the vehicle can be left open without the need for any securing rails or safety doors.

Protection against access from below



The platform is always protected against access from below by means of an industrial blind and PVC tarpaulin (RAL1003/signal yellow) if the user does not have a view of the working area underneath the platform or if the controls are operated from the platform. The sides of the lift table are protected against access from below to ensure that unauthorised persons cannot access the lift table area. The protection against access from below also safeguards the base of the lift table against soiling and provides useful and effective protection against mechanical damage.

Portal bridges



A portal bridge is used as a safety rail for the side of the lift table next to the ramp and prevents the ramp area from falling when the lift table has been completely lowered. Depending on the type of ramp used, the clear passage height is the effective lift height + 1100 mm.

Customised controls



We have developed a wide range of customised controls especially for the loading sector, which take both safety and operator comfort into account. Multiple control points, the securing of access points by means of safety locks, RESET switches as standard – all of this is included in our modular MIDI controls. Just ask us about your preferred configuration!

Examples of applications in the loading sector

