

HIGH-LIFT SCISSOR LIFT TABLES

DHS · THS · CHS SERIES

Double, triple and quadruple vertical scissor lift tables for loads from 400 to 5,000 kg and raised heights up to 5,100 mm. Every model can be installed above the finished floor or in a prepared pit.



DHS SERIES
Double scissor



THS SERIES
Triple scissor



CHS SERIES
Quadruple scissor

CAPACITY RANGE

400 to 5,000 kg

RAISED HEIGHT

Up to 5,100 mm, depending on model

INSTALLATION

Above floor or in a prepared pit

CONTROL

24 V pendant with emergency stop

HIGH TRAVEL FOR MULTI-LEVEL MATERIAL FLOWS

Where a single-scissor table runs out of travel, the DELACCO high-lift range stacks two, three or four vertical scissor mechanisms to reach working heights of up to 5,100 mm while keeping the proven electric-hydraulic drive, 24 V pendant control and EN 1570 safety equipment of the JHS family.

DHS - DOUBLE SCISSOR (1,000-4,000 KG)

Two vertical scissor pairs, raised heights of 1,780-2,050 mm. Compact platforms for mezzanine feeding and ergonomic positioning.

CHS - QUADRUPLE SCISSOR (400-2,000 KG)

Four vertical scissor pairs, raised heights of 4,100-4,800 mm with moderate loads. Maximum travel from a compact footprint.

THS - TRIPLE SCISSOR (1,000-5,000 KG)

Three vertical scissor pairs, raised heights of 3,000-5,100 mm. For two-level logistics, conveyor links and heavy platform formats up to 2,980 x 2,000 mm.

BUILT LIKE THE JHS SERIES

Rigid welded frames, BUCHER hydraulic power packs, single or twin cylinders and the same control philosophy across the whole lift-table programme.

Typical applications

MULTI-LEVEL TRANSFER

Move goods between floor level, mezzanines and machine platforms.

WAREHOUSING AND LOGISTICS

Link conveyors, docks and storage levels with controlled lifting.

PRODUCTION AND ASSEMBLY

Raise components and fixtures to elevated working positions.

MAINTENANCE AND SERVICE

Provide a stable elevating surface for goods and equipment.

! Goods only

Never use the lift table to raise or transport people. The load must be stable, centred and secured against movement over the full travel height.

STANDARD SAFETY AND EQUIPMENT

The high-lift range combines mechanical, hydraulic and electrical safeguards. Correct installation, secure anchoring and disciplined operating procedures remain essential for safe use - especially at large lifting heights.

ALUMINIUM SAFETY EDGE

The platform perimeter safety bar with integrated micro-switches stops lowering when it contacts an obstruction.

HYDRAULIC PROTECTION

Relief valve against overloading, compensated flow valve for controlled lowering and hose-burst valve against uncontrolled descent.

MECHANICAL MAINTENANCE PROP

Mechanical support enables safe inspection and service work.

SELF-LUBRICATING PIVOTS

Self-lubricating bushings at all pivot points prolong service life.

24 V PENDANT CONTROL

Low-voltage UP/DOWN control with emergency stop.

LIFT LIMIT SWITCH

Upper limit switch stops the platform at the maximum height.

SAFETY CLEARANCES

Scissor geometry and clearances reduce trapping risk during normal operation.

REMOVABLE LIFTING EYES

Facilitate safe handling and positioning during installation.

Permitted load cases according to EN 1570: 100% of rated load uniformly distributed over the full platform; 50% uniformly distributed over half the platform length; or 33% uniformly distributed over half the platform width.

! Anchoring is mandatory

Double, triple and quadruple scissor tables must be anchored to the foundation with expander bolts or equivalent fasteners before operation. High travel heights make a level, structurally adequate and securely anchored installation a safety requirement, not an option.

ABOVE-FLOOR OR IN-PIT INSTALLATION

Every DHS, THS and CHS model can be installed above the finished floor or recessed into a prepared pit. The supporting structure must be level, stable and capable of carrying the lift table, its rated load and all dynamic forces. The base frame is not self-supporting as standard - the whole frame must rest on the foundation.

Pit sizing rule

- Pit length = platform length + 30 mm
- Pit width = platform width + 30 mm
- Pit depth = lowered table height + 5 mm
- Provide a drainage hole where water or cleaning liquids may collect
- Route electrical supply and hoses through a protected conduit (Ø 60 mm)

FOUNDATION

Level and structurally adequate for the table, load and dynamic forces.

LOADING SIDE

Orient the fixed scissor arm end towards the side where loads are moved on and off at the upper level.

ANCHORING

Fix the base frame with expander bolts; do not pull a distorted frame flat.

CONTROL POSITION

The operator must have a clear view of the table and load over the entire travel height.



! Confirm before construction

Verify the dimensions of the delivered unit and the final installation drawing before the pit is built. The identification plate and project drawing take precedence over nominal catalogue data.

TECHNICAL DATA - DHS AND THS MODELS

All dimensions are nominal and must be confirmed against the delivered unit and project drawing.

DHS - double scissor models

Two vertical scissor pairs, raised heights of 1,780-2,050 mm, capacities of 1,000-4,000 kg.



Model	Capacity (kg)	Lowered height (mm)	Raised height (mm)	Platform L x W (mm)	Base frame L x W (mm)	Lift time (s)	Power pack	Net weight (kg)
DHS1000	1000	305	1780	1300 x 820	1240 x 640	35-45	380V/50Hz AC 1.1 kW	210
DHS2000	2000	360	1780	1300 x 850	1220 x 785	35-45	380V/50Hz AC 1.5 kW	295
DHS4000	4000	400	2050	1700 x 1200	1600 x 900	55-65	380V/50Hz AC 2.2 kW	520

THS - triple scissor models

Three vertical scissor pairs, raised heights of 3,000-5,100 mm, capacities of 1,000-5,000 kg.



Model	Capacity (kg)	Lowered height (mm)	Raised height (mm)	Platform L x W (mm)	Base frame L x W (mm)	Lift time (s)	Power pack	Net weight (kg)
THS1000	1000	470	3000	1700 x 1000	1600 x 1000	35-45	380V/50Hz AC 2.2 kW	450
THS2000	2000	560	3000	1700 x 1000	1606 x 1010	50-60	380V/50Hz AC 2.2 kW	750
THS4000	4000	625	3200	1700 x 1200	1610 x 1140	70-85	380V/50Hz AC 3.0 kW	910
THS5000	5000	890	5100	2980 x 2000	2980 x 2000	90-105	380V/50Hz AC 3.0 kW	2500

Standard supply is shown as 380 V / 50 Hz. Always verify the actual voltage, frequency, motor power and circuit requirements on the delivered unit and electrical diagram.

TECHNICAL DATA - CHS MODELS

Quadruple scissor models reach the greatest travel of the range and are intended for moderate loads. The foundation, electrical supply and pit design must be engineered for the selected model and operating duty.

CHS - quadruple scissor models

Four vertical scissor pairs, raised heights of 4,100-4,800 mm, capacities of 400-2,000 kg.



Model	Capacity (kg)	Lowered height (mm)	Raised height (mm)	Platform L x W (mm)	Base frame L x W (mm)	Lift time (s)	Power pack	Net weight (kg)
CHS400	400	600	4100	1700 x 1000	1600 x 1000	30-40	380V/50Hz AC 2.2 kW	550
CHS800	800	710	4100	1700 x 1000	1606 x 1010	75-85	380V/50Hz AC 2.2 kW	860
CHS1600	1600	800	4250	1700 x 1200	1610 x 1140	50-65	380V/50Hz AC 2.2 kW	1045
CHS2000	2000	950	4800	2000 x 1200	2000 x 1200	90-95	380V/50Hz AC 3.0 kW	1200

Standard supply is shown as 380 V / 50 Hz. Always verify the actual voltage, frequency, motor power and circuit requirements on the delivered unit and electrical diagram.

Options

Anti-slip platform, end limit switch, hinged loading flap, mechanical stop, foot switches, safety railing with gate, rectangular or round turntable, roller conveyors, external motor/pump cabinet, scissor guard, loading ramp, S1-rated motor. Custom platform sizes and configurations are available on request.

! Selection note

Confirm the intended load distribution, cycle frequency, platform dimensions, travel height and installation conditions before ordering. Motor duty is limited to approximately 9 minutes of operation per hour unless an S1-rated drive is specified.

DELACCO - equipment for safe lifting and material handling

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Technical data is based on the supplied technical documentation. The identification plate, order confirmation and documentation supplied with the delivered unit take precedence. We reserve the right to modify design and specifications without prior notice.