

Two machines in one (lift table + dock leveller): The best combination

## TECHNICAL DESCRIPTION

**Inkema's Dual SR Scissor Lift Table** is a set of two machines in one, consisting of a dock leveller with **500mm hinged lip**, installed on a lift table.

This combination of systems allows for maximum flexibility in loading and unloading. It can be used simply as a **lift table** if required, or the lift table can be moved to the level of the loading bay, and the **dock leveller** can act as an inclined bridge between the loading bay and the lorry.

Specifically designed to meet different logistical needs in most sectors: food, pharmaceutical, automotive, industrial, textile, etc ...



## OPERATION

Carries out lifting manoeuvres using **hydraulic cylinders** that have particular specifications, matching the load requirements.

**Inkema's Dual Scissor Lift Table** has been designed to fulfil three fundamental purposes:

- ✓ To move between different levels in confined spaces.
- ✓ As a loading dock function.
- ✓ As a production and assembly system. It can be included as part of a fully automated logistics system.

## SIDE VIEW OF THE TABLE



- 1 500mm hydraulic hinged lip.
- 2 Dock leveller's hydraulic unit: motor, pump and tank.
- 3 Dock leveller's lifting cylinder with Ø50mm piston rod.
- 4 Leveller safety bolts.
- 5 Safety perimeter foot barrier.
- 6 Table's hydraulic cylinder.
- 7 Scissors and central axles.
- 8 Table's hydraulic unit: motor, pump and tank.
- 9 Anti-fall safety valve.
- 10 Double movement wheel.
- 11 Mechanical lowering stops.

## TYPES OF LIFT TABLES:

**Inkema divides its range of Lift Tables into three:**

- **Single scissor\***: the table has a flat surface, a single set of scissors and several hydraulic cylinders.
- **Double scissor\*\*\***: designed to achieve greater elevation and/or a larger load surface. Consists of flat surface with two sets of scissors and several hydraulic cylinders. There are 3 different types: vertical (MEX2), twin (MEX3) or tandem (MEX4).
- **Dual SR\*\***: Set of two machines in one. A hydraulic dock leveller with hinged lip (SR) or telescopic lip (SRB) is installed on a lifting table.



Single Scissor Lift Table (MEX1)



Double Scissor Lift Tables (MEX2, MEX3 and MEX4)

## LOAD CAPACITIES AND WORK CYCLES

The Dual Scissor Lift Table with hinged lip has a standard load capacity, depending on its dimensions, **of 6 tons\*\*\***.

A table's work cycle consists of it **going up + down once** (with or without load). Once 120,000 cycles have been completed, the axles, wheels and bushes must be replaced.

- ✓ Max. number of work cycles recommended for normal use: **8 cycles/hour or 64 cycles/day**.

\*For further information please refer to the technical sheet for the Single Scissor Lift Table.  
 \*\*For further information please refer to the technical sheets for the Double Scissor Lift Tables.  
 \*\*\*For other measurements, consult Customer Service.



### TECHNICAL SPECIFICATIONS AND HYDRAULIC UNIT

- Motor voltage 230/400V 3F (three-phase) 50Hz.
- Electric motor power depends on the capacity of the table.
- Maximum working pressure of the hydraulic circuit 180 kg/cm<sup>2</sup> (bar).
- Working temperature range (-10°C / +40°C).
- Noise level produced <70db.
- Maximum speed 10km/h.
- Specific power, performance, flow and tank capacity characteristics for the hydraulic unit, depending on load requirements. Includes 24V solenoid safety valve.



Dual SR Lift Table installed as a loading bay.

### SAFETY ITEMS

The **Dual Scissor Lift Table** has the following safety elements as standard:

- **Emergency Stop:** Activated by switch or power failure.
- **Anti-fall safety valve** on hydraulic cylinders in case of hose breakage.
- **Safety signalling** using adhesives on the moving parts.
- **Perimeter safety foot barriers** on all tables.
- **Safety bar:** Prevents the table from closing during maintenance work.
- **Safety bolts:** Hold the dock leveller still during the loading and/or unloading operation.



Dock leveller safety bolt



Anti-fall safety valve



Dual SR Lift Table with 500mm hinged lip.



Dual SR Lift Table with lip and safety platform function.

### FINISHES



#### Painted:

Highly resistant to corrosion and environmental agents. Standard colour grey RAL 7016, any other colour can be chosen according to RAL chart.



#### Galvanised:

Excellent resistance to corrosion and environmental agents.

### STANDARDS

Inkema declares that all its lift tables conform to the following European directives:

**2006/42/CE, 2014/35/UE, 2014/30/UE and UE 305/2011**

Designed and manufactured in accordance with the following harmonised technical standards:

**EN 1570-1 and UNE-EN ISO 12100**

Comply with the following technical standards:

**UNE-EN 349, UNE-EN ISO 13857, UNE-EN ISO 4413, UNE-EN 60204-1, UNE-EN 61000-6-2, UNE-EN 61000-6-3 and UNE-EN 61000-6-4**