

ERCO4400-4401

»»» General description

The ERCO4400-4401 is an under wheel scissors lift with a **maximum capacity of 4400kg**.

The **LCT version is ideal for alignment operations of front and rear wheels**.

To enable rear alignment the lift is fitted with slip plates on three axes (transversal, longitudinal and diagonal) which enable all movements required for adjustment procedures.

Versions **L, L LT, PT4 and CT LT PT4 can also be used for maintenance operations, repairs and for technical vehicle test procedures in conjunction with the play detector**; in PT4 versions the play detector is hydraulically powered by means of the same control cabinet as the lift.

Designed for both in-floor installation or on-floor installation with drive-through ramps either indoors or outdoors with adequate roof shelter, the ERCO4400-

4401 lifts are equipped with **safety devices** to ensure operator safety in the event of faults.

The 4400 series is equipped with a torsion bar which ensures that the runways remain level, even with an unevenly distributed load.

The lifts of the 4401 series have been designed without a torsion bar between the two runways to improve access, therefore making work on vehicles easier.

Synchronization between the two runways is provided by a flow divider and two quick response control valves which check runway alignment and maintain the permissible values during lifting and lowering operations.

The precision design and the quality of the components guarantee the maximum structural stability and absolute reliability over time.



This product is approved by:



»» Main features

Free-wheel scissors lift-table with maximum capacity of 4400kg.

4400 series with torsion bar for perfect levelling of runways, even with an unevenly distributed load.

4401 series without torsion bar between the two runways (for better access). Synchronization between the two runways is provided by a flow divider and two quick response control valves.

Base with adjustable feet for perfect levelling of the lift both in working position and when fully closed.

Emergency hand pump.

Mechanism consisting of a **locking pawl and rack system** to block accidental descent (every 100 mm) in the event of hydraulic hose failure.

Counterbalancing valve installed on the lift cylinder discharge to block accidental descent in the event of hydraulic hose failure.

Electromechanical device to block lift ascent/descent in the event of runway misalignment.

Anti-crushing device consisting of a rubber-backed fabric side guard for the additional lift-table.

Available with access runways positioned on the floor and with suspended runways to avoid bulky objects on the ground when the lift is in working position.

Slip plates (with air locking system) featuring transversal and diagonal movement for wheel alignment (supplied as standard in CT versions).

Built-in free-wheel lift-table with maximum capacity of 3600 kg (supplied as standard in LT versions) complete with rubber-backed fabric side guards; extendable runways for long wheel base vehicles.

Pressure switch (on LT models only) to block lift ascent/descent in the event of runway misalignment.

Extensions for the PT400 play detector with four directions of movement for checking the front axle (supplied as standard in PT4 versions); the PT400 play detector is hydraulically powered by means of the same control cabinet as the lift and is equipped with an inspection lamp fitted with a control device.

Also available in wheel alignment version as per VW-Audi Group requisites.

Optional accessories

A wide range of optional accessories is available for all requirements.

| | Capacity | Max. height | Min. height | Working pressure |
|--------------------------------|----------|-------------|-------------|------------------|
| Pneumatic scissors lift | 2000 Kg | 420 mm | 85 mm | 9 - 12 bar |
| Pneumatic lift-table with jack | 1500 Kg | 535 mm | 110 mm | 9 - 12 bar |

Lighting system kit

Lift-tables for 4WD (pair)

Set of 4 pads, height 35 mm

Set of 4 pads, height 80 mm

Set of floor access ramps for sports cars with very low spoilers

Available versions

ERCO4400-4401 L: general-purpose lift with long smooth runways (4670 mm) able to accommodate particularly long cars and vans.

ERCO4400-4401 L LT: general-purpose lift with long smooth runways. Includes built-in lift-table (Maximum capacity 3600 Kg.) equipped with extending runways for long wheel base vehicles and rubber-backed strip curtain guards.

ERCO4400-4401 L CT: wheel alignment lift with recessed runways for front turntables and rear slip plates with a possibility of transversal and diagonal movement and relative locking systems by means of a pneumatic servo control. The long runways (4670 mm) are able to accommodate particularly long cars and vans and facilitate rolling ROC procedures in alignment operations.

ERCO4400-4401 CT LT: wheel alignment lift with built-in lift table.

ERCO4400-4401 PT4: lift for technical vehicle test procedure, equipped with extensions for PT 400 play detector with 4 directions of movement for checking the front axle.

The PT 400 play detector is equipped with an inspection lamp fitted with a control device and hydraulically powered by means of the same control cabinet as the lift.

ERCO4400-4401 CT LT PT4: lift featuring all functions, incorporating all the characteristics of the alignment lift with those of technical vehicle test procedure.

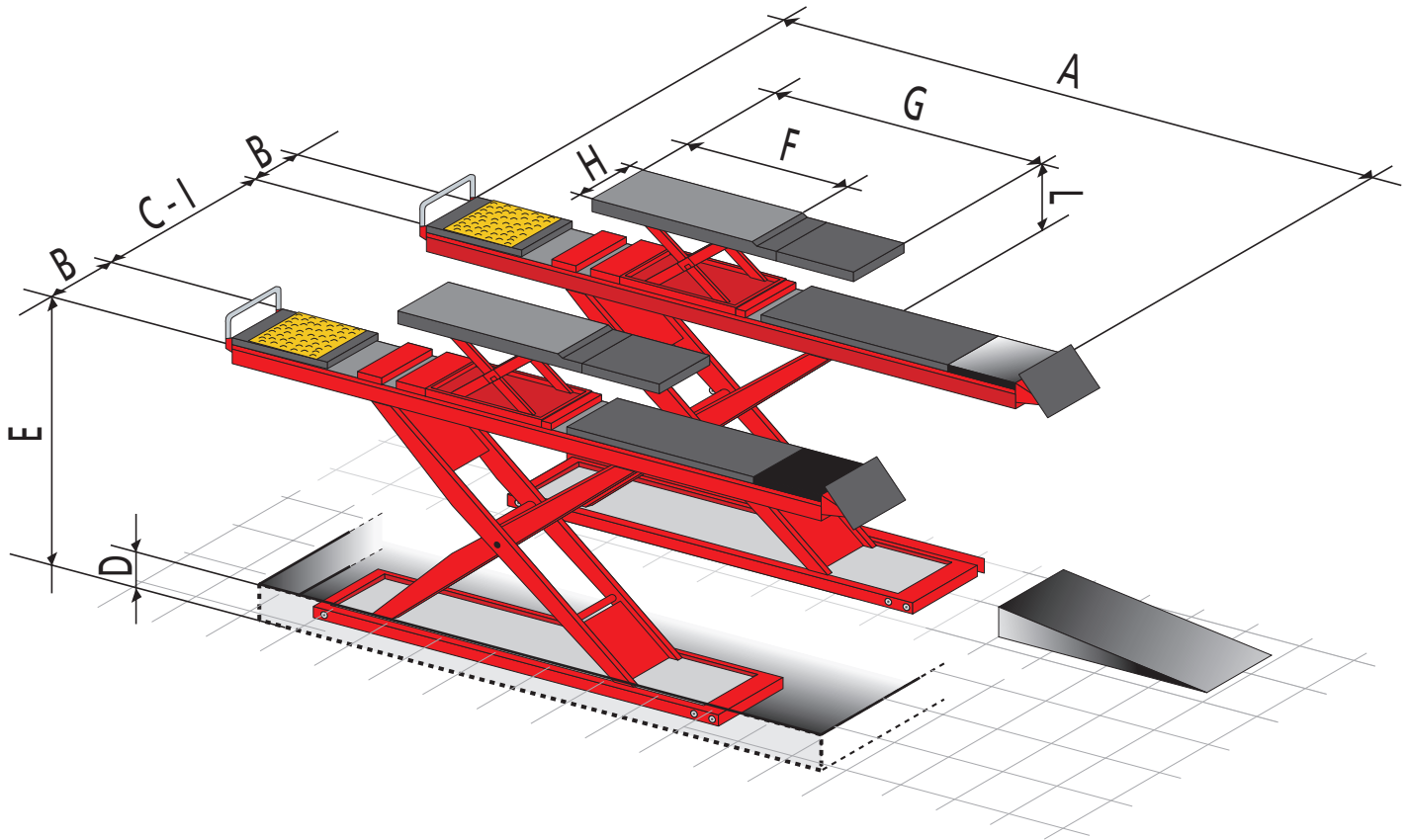
ERCO 4400

Technical Features

| RIF. LIFT | ERCO 4400 L | ERCO 4400 L CT | ERCO 4400 L LT | ERCO 4400 L CT LT | ERCO 4400 PT4 | ERCO 4400 CT LT PT4 |
|------------------------------------|-------------|----------------|----------------|-------------------|---------------|---------------------|
| Maximum capacity (Kg) | 4400 | 4400 | 4400 | 4400 | 4400 | 4400 |
| A Runway length (mm) | 4670 | 4670 | 4670 | 4670 | 4910 | 4910 |
| B Runway width (mm) | 620 | 620 | 620 | 620 | 620 | 620 |
| C Distance between runways (mm) | 860 | 860 | 860 | 860 | 860 | 860 |
| D Minimum height (mm) | 270 | 270 | 270 | 270 | 270 | 270 |
| E Max. lifting height (mm) | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| Lifting time (sec) | 38 | 38 | 38 | 38 | 38 | 38 |
| Lift weight (Kg) | 2060 | 2070 | 2350 | 2350 | 2120 | 2410 |
| Electrical power absorption (Kw) | 3 | 3 | 3 | 3 | 3 | 3 |
| Compressed air supply (bar) | 4-10 | 4-10 | 4-10 | 4-10 | 4-10 | 4-10 |

BUILT-IN FREE-WHEEL LIFT-TABLE

| | | | |
|---------------------------------|------|------|------|
| Maximum capacity (Kg) | 3600 | 3600 | 3600 |
| F Min. plate length (mm) | 1490 | 1490 | 1490 |
| G Max. plate length (mm) | 2000 | 2000 | 2000 |
| H Plate width (mm) | 620 | 620 | 620 |
| I Distance between plate (mm) | 860 | 860 | 860 |
| L Max. lifting height (mm) | 500 | 500 | 500 |
| Lifting time (sec) | 12 | 12 | 12 |



ERCO 4401

Technical Features

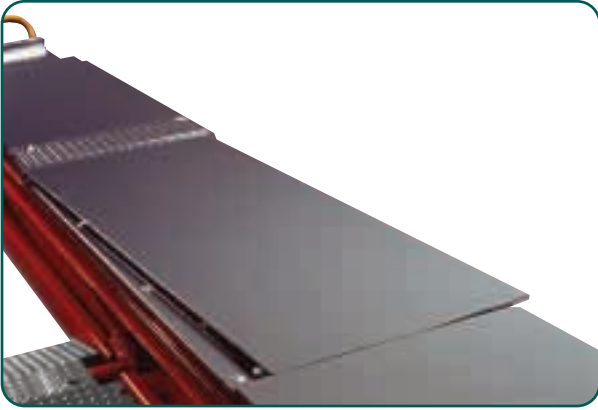
| RIF. LIFT | ERCO 4401 L | ERCO 4401 L CT | ERCO 4401 L LT | ERCO 4401 L CT LT | ERCO 4401 PT4 | ERCO 4401 CT LT PT4 |
|------------------------------------|----------------|-------------------|-------------------|----------------------|------------------|------------------------|
| Maximum capacity (Kg) | 4400 | 4400 | 4400 | 4400 | 4400 | 4400 |
| A Runway length (mm) | 4670 | 4670 | 4670 | 4670 | 4910 | 4910 |
| B Runway width (mm) | 620 | 620 | 620 | 620 | 620 | 620 |
| C Distance between runways (mm) | 860 | 860 | 860 | 860 | 860 | 860 |
| D Minimum height (mm) | 270 | 270 | 270 | 270 | 270 | 270 |
| E Max. lifting height (mm) | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| Lifting time (sec) | 38 | 38 | 38 | 38 | 38 | 38 |
| Lift weight (Kg) | 2010 | 2020 | 2300 | 2300 | 2070 | 2360 |
| Electrical power absorption (Kw) | 3 | 3 | 3 | 3 | 3 | 3 |
| Compressed air supply (bar) | 4-10 | 4-10 | 4-10 | 4-10 | 4-10 | 4-10 |

BUILT-IN FREE-WHEEL LIFT-TABLE

| | | | |
|---------------------------------|------|------|------|
| Maximum capacity (Kg) | 3600 | 3600 | 3600 |
| F Min. plate length (mm) | 1490 | 1490 | 1490 |
| G Max. plate length (mm) | 2000 | 2000 | 2000 |
| H Plate width (mm) | 620 | 620 | 620 |
| I Distance between plate (mm) | 860 | 860 | 860 |
| L Max. lifting height (mm) | 500 | 500 | 500 |
| Lifting time (sec) | 12 | 12 | 12 |

ERCO 3600 - ERCO 4400: details

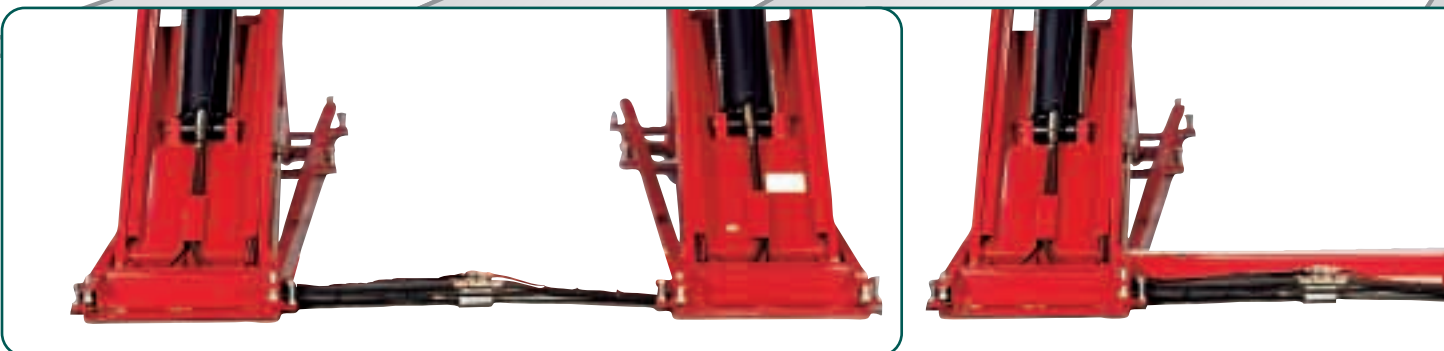
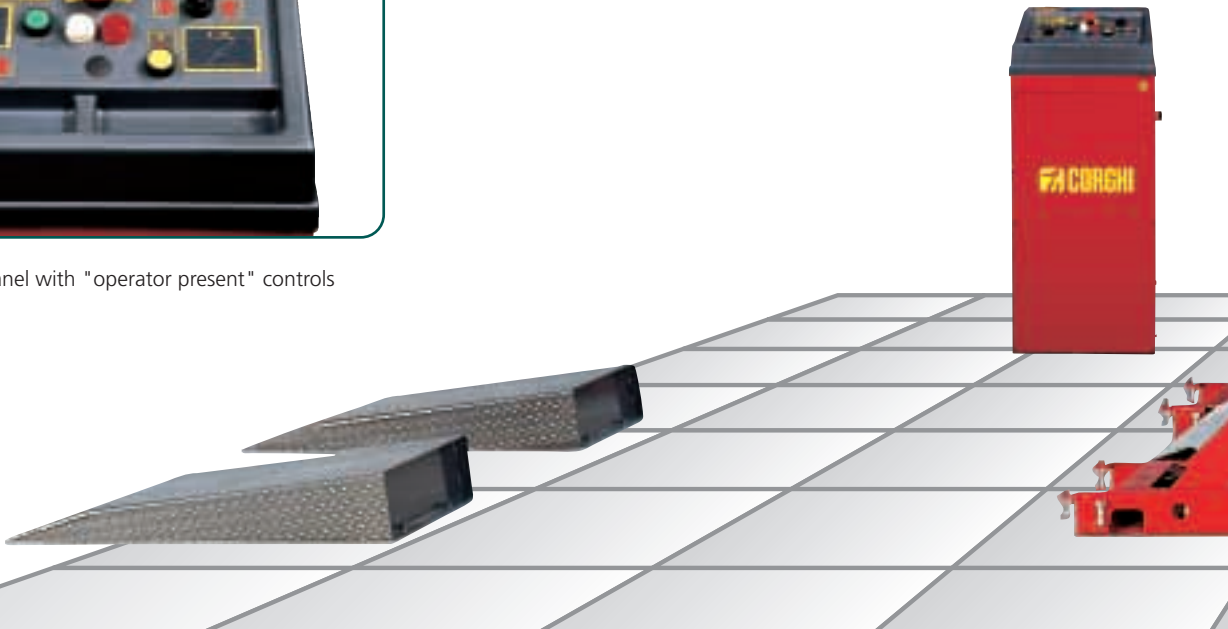
Built-in free-wheel lift-table with maximum capacity of 3600 kg (supplied as standard)



Slip plates with air locking system (supplied as standard in 4400/4401 version)

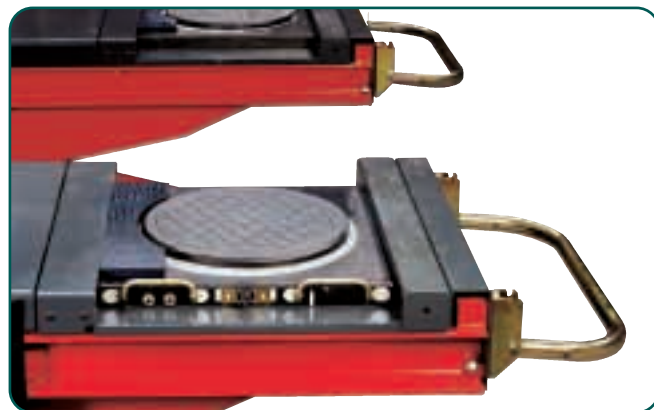


Ergonomic control panel with "operator present" controls



Available with or without torsion bar

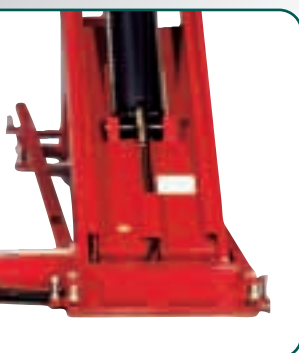
Standard in LT versions)



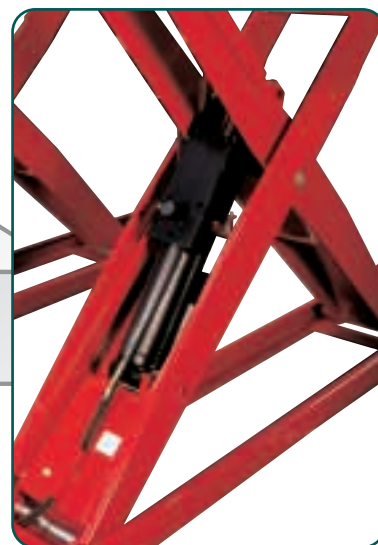
➤ Wheel alignment turntables (optional)



➤ Lift-table cylinder with pawl and rack system safety device



➤ Set of 4 pads, height 35/80 mm



➤ Mechanism consisting of a locking pawl and rack system to block accidental descent (every 100 mm) in the event of hydraulic hose failure.