



Twin and Short-Stroke Scissors Lifts

Models: TWIN F IV 3.0/3.5 • TWIN F III 4.0 • SOLO III 2.5 M

for Vehicles up to 4.0 t Gross Weight



Lifting Technology



- ▶ Twin scissors lifts: space-saving and comfortable working conditions
- ▶ Short-stroke scissors lift: practical and mobile
- ▶ Electro-static powder coating
- ▶ EC type-approval

Premium Workshop
Equipment

Twin Scissors Lifts of the TWIN F Series

Space-Saving and Comfortable Working Conditions

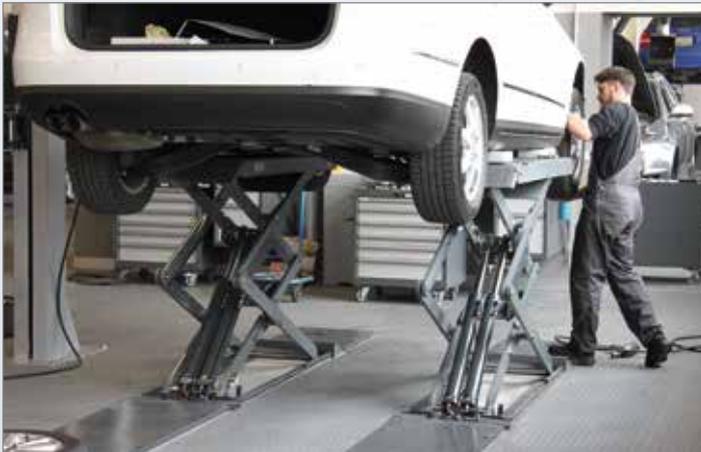


The twin scissor lifts of the TWIN F series are space-saving, making them very efficient.

The workshop floor requirements regarding attachment and installation are low. In general, installation is quick and easy. If the lift needs to be moved to another location, disassembly and re-assembly is problem-free. The TWIN F series is then ideally suited for leased real estate.

The operations desk can be positioned either left or right of the lift (standard delivery is right).

All supply lines (hydraulic hoses and cables) can be laid flush with the floor, avoiding tripping obstacles between the scissors and offering free access.



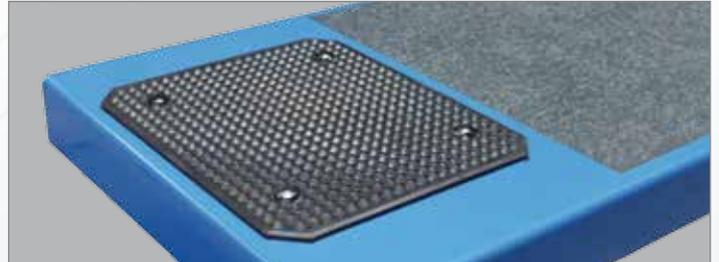
Twin Scissors Lifts

Model: TWIN F IV 3.0/3.5

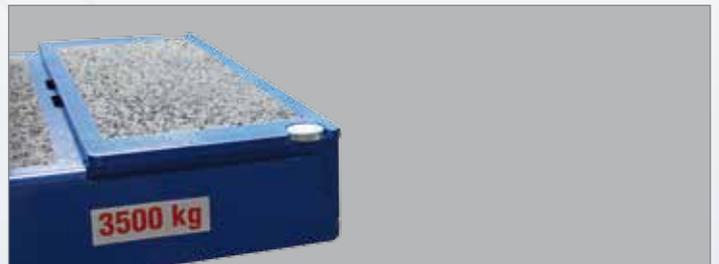
TWIN F IV 3.0/3.5 U: Flush-Floor Installation



Due to foundation compensation boxes (which come standard with the TWIN F IV 3.0/3.5 U), both extensions of the flush-floor installed twin scissors lift can be length adjusted even when the lift is fully retracted. In this way the lift can be completely lowered without having to push in the extensions.



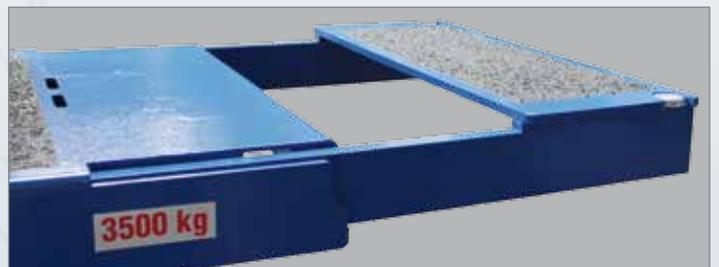
With model TWIN F IV 3.0/3.5 U rubber pads are attached in the front for direct lifting.



Fixed extension pushed in for minimal plate length ...



Hot-dip galvanized shim plate (comes standard with TWIN F IV 3.0/3.5 U) protects the floor frame from direct contact with dirty water, adding corrosion protection.



... and continuously extendable up to maximum plate length.



The flush-floor installed TWIN F can be driven over crosswise for maneuvering in tight entry areas.



Twin Scissors Lifts Model: TWIN F IV 3.0/3.5

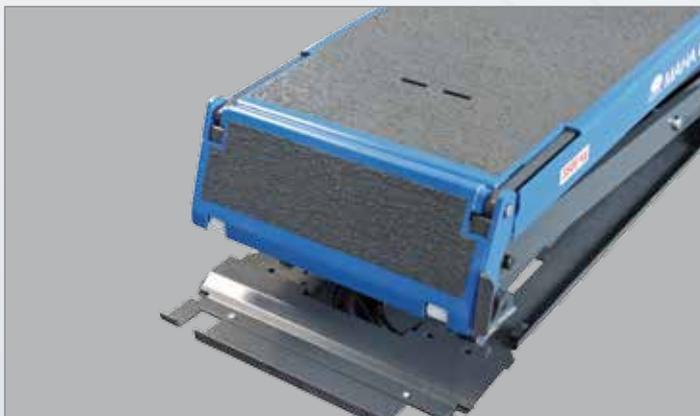
TWIN F IV 3.0/3.5 A: Surface Installation



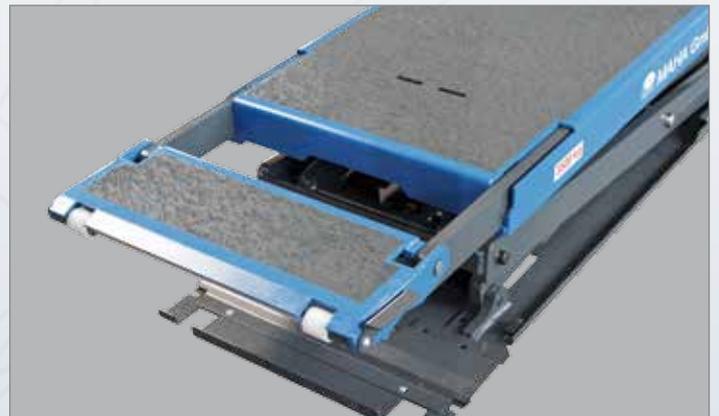
Low drive-over height: 105 mm TWIN F IV 3.0/3.5



Secure locking of the extension flaps to drive over the lift (TWIN F IV 3.0/3.5 A)



Flap down, extension pushed in for minimum plate length



Flap up, extension fully pulled out for maximum plate length



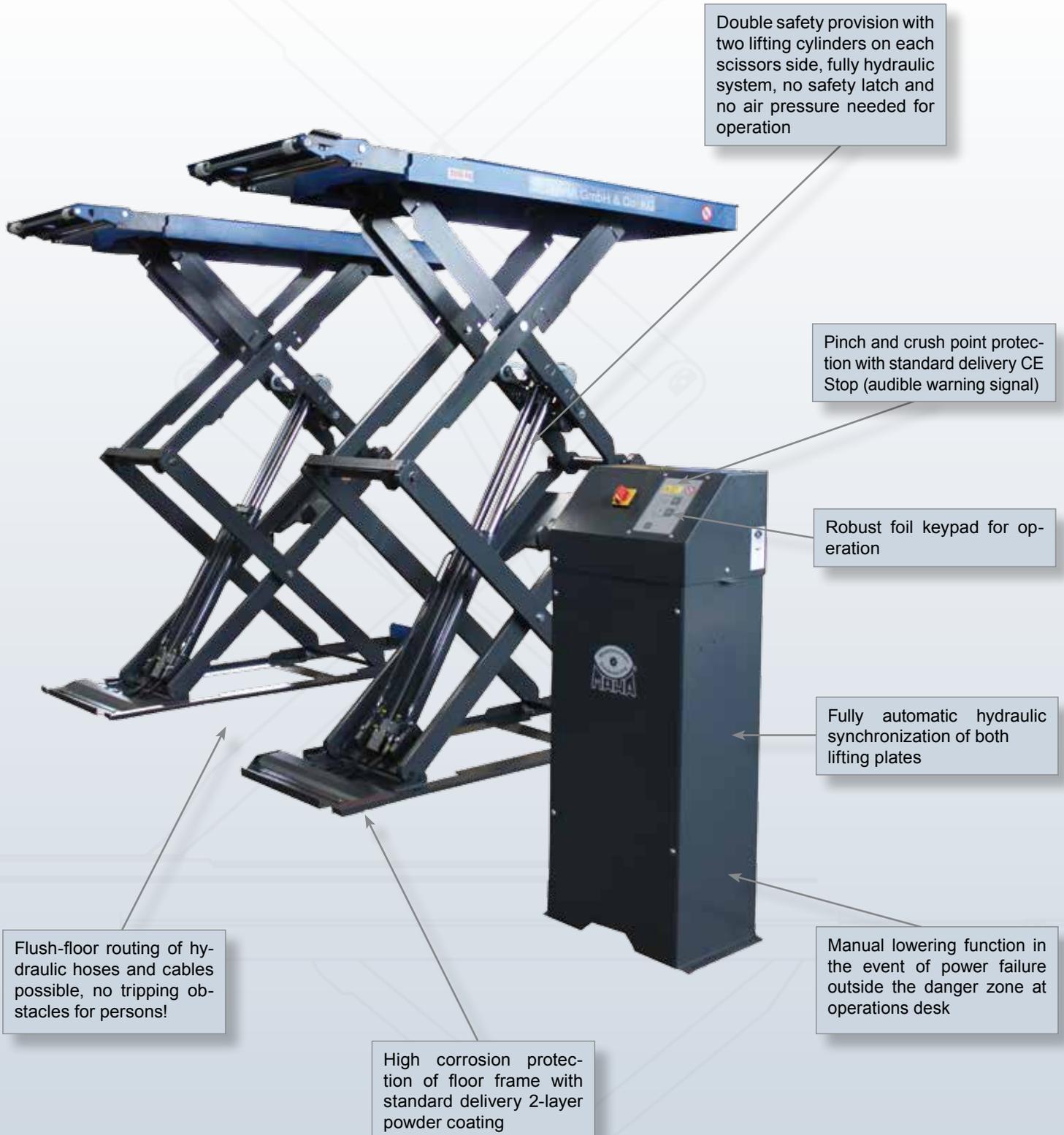
4 drive-over ramps (optional), height 40 mm, ...



... reduce the drive-on height to 65 mm: easy access for vehicles with low ground clearance

Twin Scissors Lift, Model: TWIN F IV 3.0/3.5 for Vehicles up to 3.5 t Gross Weight

Technology and Product Advantages



Twin Scissors Lift Model: TWIN F IV 3.0/3.5

Technology and Product Advantages



High lateral stability due to heavily dimensioned scissor arms



The stroke travel of both cylinder pairs on each scissor side is measured via cable pull potentiometer, the hydraulic synchronization is conducted automatically by the control. The operator is freed from manual leveling compensation. The cable pull potentiometer corresponds with protection class IP 54, the cable is protected by a pipe preventing moisture and dirt contact.



All bearings are maintenance-free due to self-lubricating Teflon bearing bushes.



Innovative cylinder raising support: the complete lifting force is already available at the lowest lifting range. The lift retracts gently and noise-free into the lowest position, and lifts slowly and gently out of the lowest range avoiding impact on the vehicle. The cylinder raising support conducts a pure rolling movement and is maintenance- and wear-free.



Very long extension length of the lifting plates (1550 – 2100 mm), making lifting of smaller vans possible.



The generous lifting height allows comfortable working even with surface mounting of the TWIN F IV 3.0/3.5 U.

Twin Scissors Lift Model: TWIN F IV 3.0/3.5

Technology and Product Advantages



The vehicle doors of the lifted vehicle can be completely opened. The free side access to the vehicle offers comfortable working conditions.



Continuously extendable lifting plates offer high user comfort - no vehicle pushing for adjustment needed.



The lifting plates can be used as a practical tray for parts.

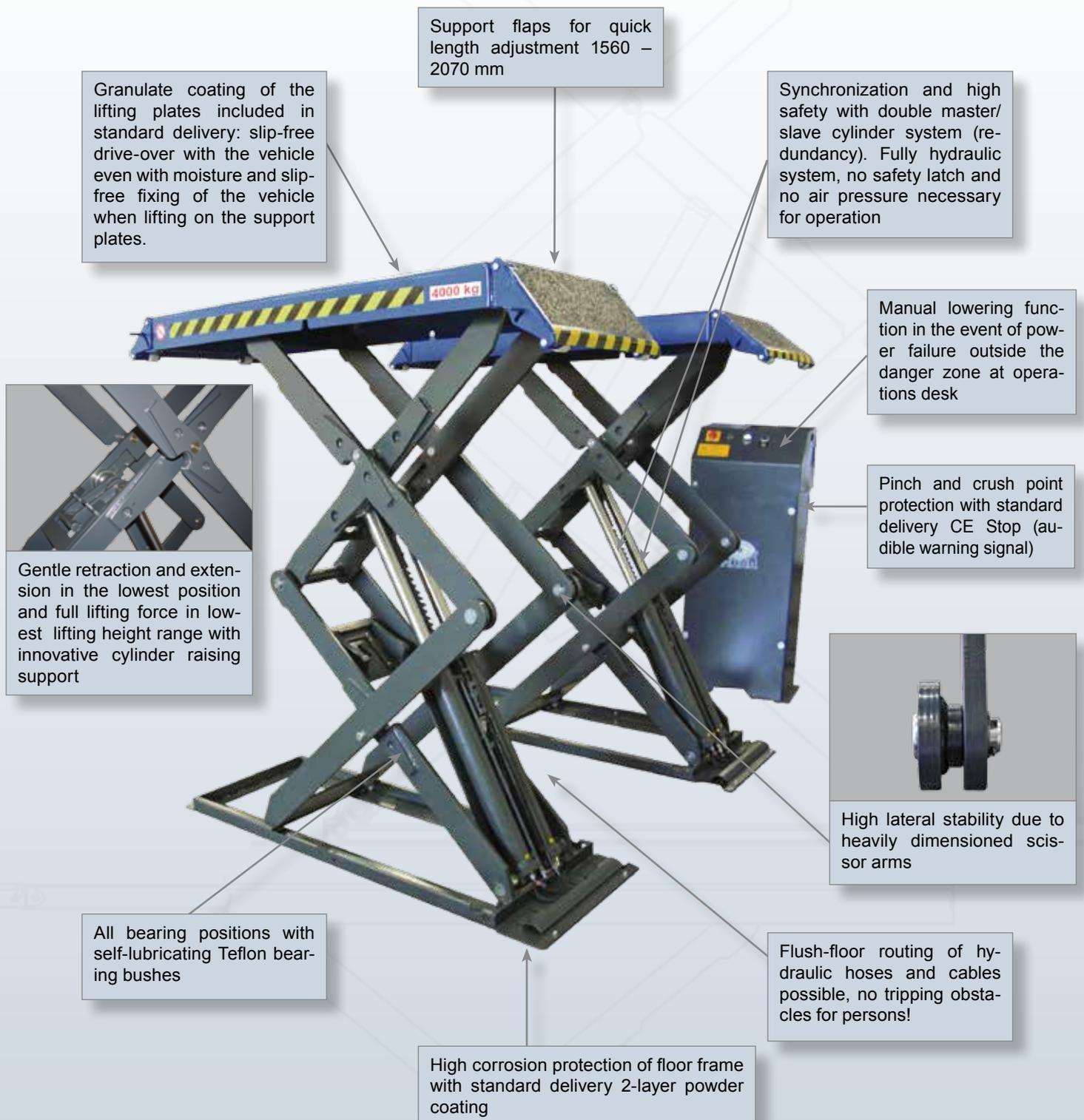


The standard delivery granulate coating of lifting plates and extensions enables slip-free drive-over with the vehicle even when wet, and slip-free lifting of the vehicle with support blocks.



Twin Scissors Lift, Model: TWIN F III 4.0 for Vehicles up to 4.0 t Gross Weight

Technology and Product Advantages



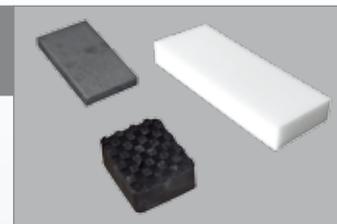
Twin Scissors Lifts of the TWIN F Series

Options

Support Blocks

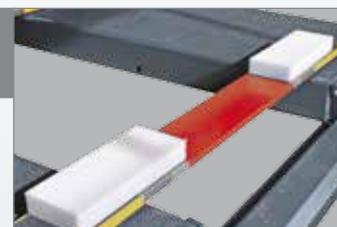
Various support blocks (4 pieces) L x W x H:

- Rubber pad, flat 150 x 100 x 20 mm
- Hard rubber block 120 x 100 x 50 mm
- Ductile synthetic block 340 x 132 x 47 mm or 340 x 132 x 95 mm



Traverses

Traverses (2 pieces) for lifting of vehicles with lifting points positioned far inward



Drive-over Ramps

(for TWIN F IV 3.0/3.5 A and TWIN F III 4.0)

The drive-over height of the surface mounted lift is reduced by 40 mm with the optionally available drive-over ramps.



Mobile Frames

(for TWIN F IV 3.0/3.5 A)

The lift can be moved using a conventional dolly or forklift thanks to the optional mobile frames. The lift requires no anchoring to the floor, the installation frame is self-supporting and only requires a solid ground surface. The drive-over height of the lift is increased by only 12 mm.



Foundation Insert Part

(for TWIN F III 4.0)

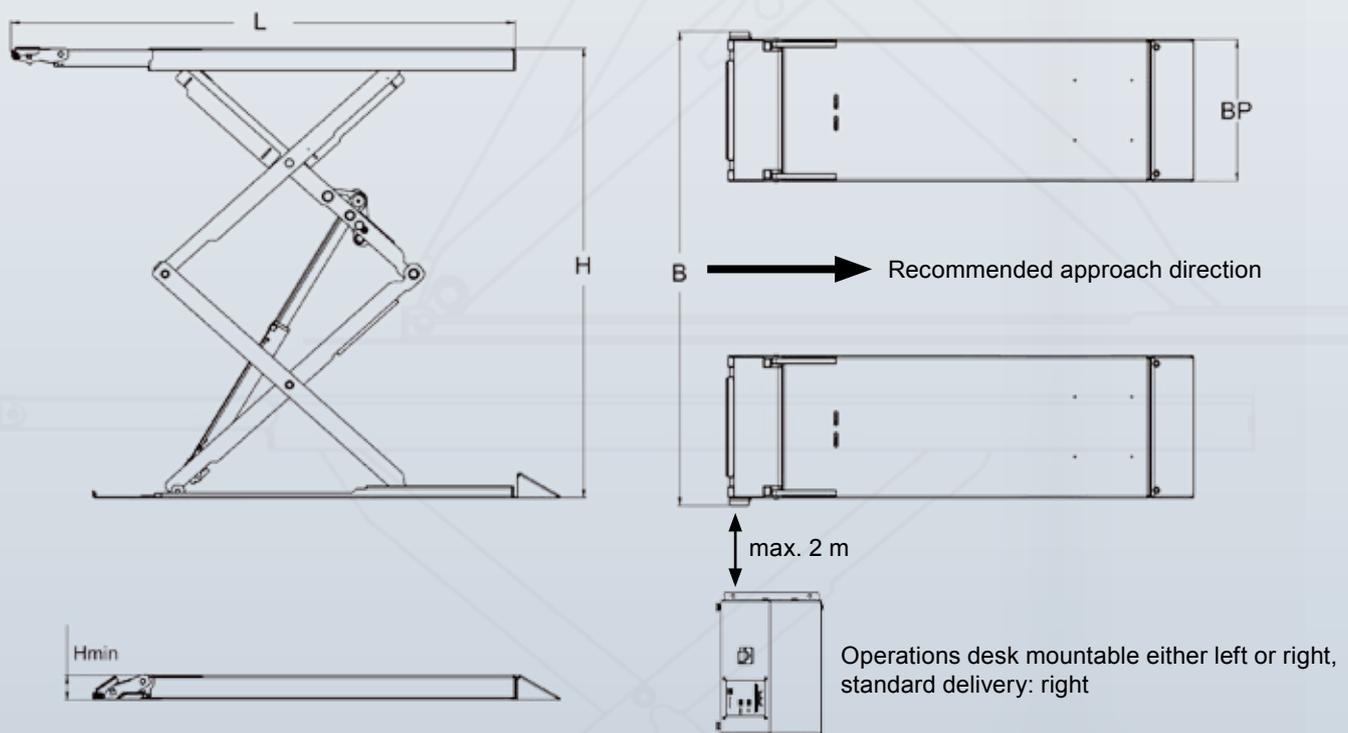
Foundation insert part for flush-floor installation



Twin Scissors Lifts of the TWIN F Series

Technical Data

	TWIN F IV 3.0	TWIN F IV 3.5	TWIN F III 4.0
Load capacity CE	3.0 t	3.5 t	4.0 t
Synchronization	Fully automatic	Fully automatic	Key switch
Length of support plates L	1550 - 2100 mm	1550 - 2100 mm	1560 - 2070 mm
Width of support plates BP	605 mm	605 mm	650 mm
Total width (recommended) B	1955 mm ("A" version) 2000 mm ("U" version)	1955 mm ("A" version) 2000 mm ("U" version)	2100 mm
Drive-over height H _{min} ("A" - version) Specifications apply to ideal installation conditions	105 mm	105 mm	135 mm
Installation depth ("U" version)	110 mm	110 mm	140 mm
Lifting height max. ("A" version)	1920 mm	1920 mm	2028 mm
Lifting height max. ("U" version)	1810 mm	1810 mm	1888 mm
Raising/lowering time (load dependent) approx.	35 s / 35 s	35 s / 35 s	55 s / 45 s
Operating pressure	240 bar	270 bar	250 bar
Hydraulic unit	2.2 kW	2.2 kW	2.2 kW
Reservoir capacity approx.	9 l	9 l	15 l
Supply voltage	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Shipping weight approx.	830 kg	830 kg	1145 kg
Shipping dimensions (L x W x H)	1850 x 1150 x 570 mm	1850 x 1150 x 570 mm	1960 x 750 x 780 mm



Mobile Short-Stroke Scissors Lift SOLO III 2.5 M for Vehicles up to 2.5 t Gross Weight

Technology and Product Advantages

Galvanized support plates

Support flaps for a quick length adjustment

2500 kg MAHA GmbH & Co. KG

4 ductile synthetic blocks
LxWxH: 47 x 132 x 340 mm
(standard delivery)

Mobile operations desk with wheels, 5 m connection cable with 16 A CEKON plug

Manual lowering function in the event of power failure outside the danger zone at operations desk

Pinch point protection via audible "CE Stop" signal

2 cylinders on each scissor side for high safety

Easy movement of the lift using dolly (standard delivery)

Mobile Short Stroke Scissors Lift

SOLO III 2.5 M

Options

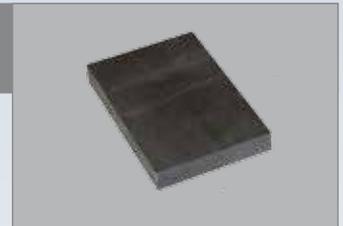
Floor Plates

Hot-dip galvanized floor plate as support for rollers, suitable for uneven ground surface (2 pieces)



Rubber Plates

Flat rubber pads L x W x H: 150 x 100 x 20 mm (4 pieces)



Hard Rubber Blocks

Insertable hard rubber blocks L x W x H: 120 x 100 x 50 mm (4 pieces)



Technical Data	SOLO III 2.5 M
Load capacity CE	2.5 t
Support length	1530 - 2000 mm
Total width	1800 mm
Width of support plate	450 mm
Drive-over height	108 mm
Lifting height max.	1000 mm
Raising/lowering time (load dependent), approx.	25 / 25 s
Operating pressure	250 bar
Hydraulic unit	2.2 kW
Reservoir capacity	5 l
Supply voltage	3 x 400 V / 50 Hz
Weight incl. hydraulic unit	500 kg
Shipping dimensions (L x W x H) approx.	1900 x 1650 x 600 mm

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