

LIFTING TECHNOLOGY

SCISSORS LIFT

DUO CM 4.2 U
VP 250226



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The scissors lift DUO CM 4.2 U, for flush-floor installation, lifts vehicles of up to 4.2 t and is optimally suited for wheel alignment checks due to its high level of stability. Its robust and well-established construction is designed for maximum service life and for high vehicle throughputs when used for vehicle testing. Protected within the lifting cylinders, the integrated maintenance-free displacement measurement sensor (absolute linear measurement system) eliminates the need for light barriers for synchronisation monitoring and electric switches for lift height detection.

PRODUCT DETAILS/ACCESSORIES

- in-ground -

Description:

- Scissor lift for in-ground installation for easier use of the lift, without protruding components in the lift area
- Very robust and well-established design with a high vehicle throughput and optimum service life in mind
- High lateral stability and bending strength, so also excellently suited to precise wheel alignment
- Runways equipped with pre-integrated guide rail for axle lift
- Latches and cylinder racks as extra safety feature
- Cables and hydraulic hoses installed safely within scissor pipes
- An elevated lifting height in excess of 2 m makes repair works and access easier and ensures suitability for strip foundations
- EMERGENCY OFF function in the case of power failure
- Additional anti-corrosion treatment of lock seams
- Varnished with high-quality powder coating:
 - Anthracite Grey, RAL 7016 (Runways, Runway structures, Drive-on ramps, Base frame)
 - Window Grey, RAL 7040 (Scissors, Control Desk)
- Automatic synchronisation of runways and the optional wheel-free jack
- Protected within the lifting cylinders, the maintenance-free integrated displacement measurement encoder ('linear-absolute measuring system') eliminates the need for light barriers for synchronisation monitoring and electric switches for lift height detection
- High level of safety due to immediate switch-off in case of

(one-sided) collision with obstacle at minimum height difference

- Crushing and shearing protection due to CE stop
- Stops automatically upon rising to desired lifting height with custom programmable breakpoint
- Robust membrane keyboard
- Centre platform option integrates the entire hydraulics and electrics systems in the steel casing in the rectangular foundation and replaces the large operation desk, making it very space-saving
- Optional lift floor for retractable in-ground axle jack
- Double latch option for wheel alignment for additional stability within the scissors arm (not possible in conjunction with wheel-free jack)
- DUO-SPEED option for short lifting / lowering times

Scope of delivery:

- Scissor lift, type: DUO CM 4.2 U
- Operation desk with control and hydraulic unit
- Lockable main switch
- 4 roll-off flaps
- 2 pneumatic quick-action couplings installed on runway
- 8 rope loops to be used as a transport aid
- Operating manual and test log
- EC CE declaration of conformity
- Transport packaging

TECHNICAL DATA

CE load capacity	4200 kg
CE load capacity with wheel-free jack	4200 kg
Max. lifting height	2075 mm
Stroke	1850 mm
Lifting / lowering time, load-dependent	approx. 40 / 40 s
Overall dimensions (L x W x H)	4400 x 2075 x 240 mm

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VM 996170 Installation Costs for Grating, Center Platform

VM 995087 Levelling of Scissors-Lift/ Four Post Lift

VM 999035 Hydraulic Oil (HLP-D 22) per Litre -NET PRICE

VM 999014 Hydraulic Oil, Biodegradable (HLP 32), per litre
-NET

VM 999047 Assembly Material DUO CM/R-AS40CM (Cables,
Hydraulic Hoses) 5 m

VM 999061 Assembly Material DUO CM/R-AS40CM with
Wheel-Free Jack

VM 999049 Assembly material additional for DUO CM/R-
AS40CM per meter (max. 8 m)

VM 999009 Fixing material (including adjusting pieces,
adjusting screws and dowels)