

LIFTING TECHNOLOGY

SCISSORS LIFT

DUO CM 5.0 U
VP 250239



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The scissors lift DUO CM 5.0 U, for flush-floor installation, lifts vehicles of up to 5.0 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 high vehicle throughputs. 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 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 2.1 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, cavity sealing
- 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
- 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 5.0 U
- Operation desk, 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	5000 kg
CE load capacity with wheel-free jack	5000 kg
Max. lifting height	2140 mm
Stroke	1850 mm
Lifting / lowering time, load-dependent	approx. 50 / 40 s
Overall dimensions (L x W x H)	5200 x 2210 x 290 mm
Installation depth	300 mm
Runway dimensions (L x W x H)	5200 x 630 x 176 mm

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TECHNICAL DATA

Drive power	2.5 kW
Operating pressure	190 bar
Supply voltage	3/N/PE 400 V 50 Hz
gG fuse	16 A
Weight	3000 kg
Weight including packaging	3200 kg
Packaging dimensions (L x W x H)	5300 x 800 x 800 mm
Hydraulic oil volume (not included)	40 l

ACCESSORIES

ACCESSORIES

VZ 990450	Mains power supply 3x380-400V+PE; 60Hz -Extra Charge-
VZ 990451	Mains power supply 3x230V+PE; 50Hz -Extra Charge-
VZ 985060	Manual lowering function with hand pump
VZ 975013	Runways with Granulate Coating -Extra Charge
VZ 970028	Short Lifting/Lowering Time approx. 20 s / 20 s (4200 kg) approx. 30 s / 30 s (5000 kg)
VZ 970029	Short lifting/lowering time approx. 12 s / 12 s (4200 kg) approx. 15 s / 18 s (5000 kg)
VZ 975181	Compressed-Air Servicing Unit with Fastening Angle (0 - 10 bar)
VZ 970012	Wheel-Free Jack 4
VZ 975074	Hard Rubber Blocks, Plug-in Type (4 pcs.) 120 x 100 x 50 mm
VZ 975069	Plastic Chocks (4 pcs.) (47 x 132 x 340 mm)
VZ 990432	LED Illuminant, 2 pcs (1 pcs per each Runway)
VZ 990433	LED Illuminant, 4 pcs (2 pcs per each Runway)
VZ 990012	Shockproof socket 230 V, integrated into runway (only in combination w. lighting)
VZ 990029	Light Barrier Safety Device to avoid Contact with Ceiling
VZ 990423	Light Barriers at Outer Runway Edges as Extra Pinch Point Protection
VZ 970161	External Operating Unit for DUO CM 4.2/5.0 and R-AS40/50

AXLE JACK, PLEASE SEE SEPARATE PRICELIST!

ACCESSORIES DUO CM 5.0

VZ 970153	Compensating Plates for Level Adaption of Wheel-Free Jack h = 50 mm (4 pcs),
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ACCESSORIES DUO CM 4.2/5.0 U

VZ 972165	Automatic Roll-Off Protection (4 pcs.) incl. Support
VZ 970102	Floor Levelling Platform for Axle Lift in Strip Foundation -wide-
VZ 975600	Grate within Driving Platform for Extended Version 5200 mm (h= 115 mm)

ACCESSORIES TEST LANE LIFTS

VP 985007	Axle Play Detector, PMS 3/X for Installation in Front of Scissors Lift
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VP 985024	Axle Play Detector, Model: PMS 3/XL with Lowerable Prism Blocks
VZ 995021	Installation Costs for Standard Installation of Play Detector -NET PRICE-
VZ 990199	Safety Switch for Lift in conjunction with Brake Testers MAHA

ACCESSORIES WHEEL ALIGNMENT LIFT

VZ 970135	Mechanical Locks (Functions Set on Locks and Runways exactly Level)
VZ 970042	Double Safety Catch for Precision Under-Carriage Alignment -EXTRA CHARGE-
VZ 975032	Compensating plates (2) for equipment without turning plates
VZ 975455	Granular Coating for Compensating and Support Plates for Turning Plates
VZ 975027	Aluminium Covers for Sliding Plates (2 pcs.)
VZ 975454	Granular Coating for Compensating Plates for Lift without Wheel-Free Jack

ACCESSORIES WHEEL ALIGNMENT LIFT DUO CM 5.0

VZ 970159	Sliding Plates (2 pcs.) Long Version (LxWxH: 1800 x 570 x 50 mm)
VZ 970148	Set of compensating plates for turntables (plain sheet; 5.2 m runway)
VZ 970149	Set of compensating plates for turntables (plain sheet; 5.2 m runway)

SUPPLEMENTARY CHARGES

VT 998040	Transportkosten Scherenhebebühne
VM 996183	Installation Costs for Scissors Lifts (Lump Sum)
VM 996072	Install. Charges f. Ceiling Light Barrier -T&M Basis
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)