

LIFTING TECHNOLOGY

SCISSORS LIFT

DUO CM 5.0 A
VP 250238



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The scissors lift DUO CM 5.0 A, for above-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

- on-ground -

Description:

- Scissor lift for on-ground installation
- 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
- 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
- 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 A
- Operation desk with control and hydraulic unit
- Lockable main switch
- Cover plates for cables and hydraulic hoses
- 2 long drive-on ramps, 2 roll bars
- 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

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|---|----------------------|
| 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) | 6800 x 2210 x 290 mm |
| Drive-on height (without accessories) | 290 mm |
| Runway dimensions (L x W x H) | 5200 x 630 x 176mm |
| Drive power | 2.5 kW |

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TECHNICAL DATA

| | |
|-------------------------------------|---------------------|
| Operating pressure | 190 bar |
| Power supply | 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

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|-----------|---|-----------|---|
| VZ 990450 | Mains power supply 3x380-400V+PE, 60Hz -Extra Charge- | VZ 970135 | Mechanical Locks (Functions Set on Locks and Runways exactly Level) |
| VZ 990451 | Mains power supply 3x230V+PE, 50Hz -Extra Charge- | VZ 970042 | Double detent for precision wheel alignment -EXTRA CHARGE |
| VZ 985060 | Manual lowering function with hand pump | VZ 975032 | Compensating plates (2) for equipment without turning plates |
| VZ 975013 | Runways with Granulate Coating -Extra Charge | VZ 975455 | Granular Coating for Compensating and Support Plates for Turning Plates |
| VZ 970028 | Short Lifting/Lowering Time approx. 20 s / 20 s (4200 kg) approx. 30 s / 30 s (5000 kg) | VZ 975027 | Aluminium Covers for Sliding Plates (2 pcs.) |
| VZ 970029 | Short lifting/lowering time approx. 12 s / 12 s (4200 kg) approx. 15 s / 18 s (5000 kg) | VZ 975454 | Granular Coating for Compensating Plates for Lift without Wheel-Free Jack |
| VZ 975181 | Compressed-Air Servicing Unit with Fastening Angle (0 - 10 bar) | VZ 970159 | Sliding Plates (2 pcs.) Long Version (LxWxH: 1800 x 570 x 50 mm) |
| VZ 970012 | Wheel-Free Jack 4 | VZ 970148 | Set of compensating plates for turntables (plain sheet, 5.2 m runway) |
| VZ 975074 | Hard Rubber Blocks, Plug-in Type (4 pcs.) 120 x 100 x 50 mm | VZ 970149 | Set of compensating plates for turntables (plain sheet, 5.2 m runway) |
| VZ 975069 | Plastic Chocks (4 pcs.) (47 x 132 x 340 mm) | | SUPPLEMENTARY CHARGES |
| VZ 990432 | LED Illuminant, 2 pcs (1 pcs per each Runway) | VT 998215 | Transport Werkverkehr -SÜDScheren-Hebebühne bis 5,5 t |
| VZ 990433 | LED Illuminant, 4 pcs (2 pcs per each Runway) | VT 998216 | Transport Werkverkehr -NORDScheren-Hebebühne bis 5,5 t |
| VZ 990012 | Shockproof socket 230 V, integrated into runway (only in combination w. lighting) | VM 996183 | Installation Costs for Scissors Lifts (Lump Sum) |
| VZ 990029 | Light Barrier Safety Device to avoid Contact with Ceiling | VM 996072 | Install. Charges f. Ceiling Light Barrier -T<(>&<)>M Basis |
| VZ 990423 | Light Barriers at Outer Runway Edges as Extra Pinch Point Protection | VM 995087 | Levelling of Scissors-Lift/ Four Post Lift |
| VZ 970161 | External Operating Unit for DUO CM 4.2/5.0 and R-AS40/50 | VM 999035 | Hydraulic Oil (HLP-D 22) per Litre -NET PRICE |
| VZ 970153 | Compensating Plates for Level Adaption of Wheel-Free Jack h = 50 mm (4 pcs), | VM 999014 | Hydraulic Oil, Biodegradable (HLP 32), per litre -NET |
| VZ 970010 | Aluminium Step Ramp for Low-Lying Vehicles e.g. Front Spoiler | VM 999047 | Assembly Material DUO CM/R-AS40CM (Cables, Hydraulic Hoses) 5 m |
| VZ 970019 | Exit Ramp, Length 1600 mm, for Above-Floor Lifts | VM 999061 | Assembly Material DUO CM/R-AS40CM with Wheel-Free Jack |
| VP 985007 | Axle Play Detector, PMS 3/X for Installation in Front of Scissors Lift | VM 999049 | Assembly material additional for DUO CM/R-AS40CM per meter (max. 8 m) |
| VP 985024 | Axle Play Detector, Model: PMS 3/XL with Lowerable Prism Blocks | VM 999009 | Fixing material (including adjusting pieces, adjusting screws and dowels) |
| VZ 995021 | Installation Costs for Standard Installation of Play Detector -NET PRICE- | | |
| VZ 990199 | Safety Switch for Lift in conjunction with Brake Testers MAHA | | |