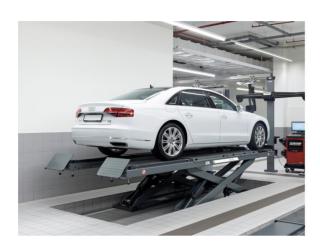


# LIFTING TECHNOLOGY SCISSORS LIFT

**DUO CM 5.0 U** VP 250239





# **DUO CM 5.0 U**

VP 250239

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 wheelfree iack
- 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 wheelfree jack)
- DUO-SPÉED 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

Technical Datasheet / 02/02/2023







# LIFTING TECHNOLOGY SCISSORS LIFT

**DUO CM 5.0 U** VP 250239



## **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

## ACCESSORIES

ACCESSOR	RIES		
ACCESSORIES		VP 985024	Axle Play Detector, Model: PMS 3/XL with Lowerable Prism Blocks
VZ 990450	Mains power supply 3x380-400V+PE; 60Hz -Extra Charge-	VZ 995021	Installation Costs for Standard Installation of Play
VZ 990451	Mains power supply 3x230V+PE; 50Hz -Extra Charge-	VZ 990199	Detector -NET PRICE- Safety Switch for Lift in conjunction with Brake
VZ 985060	ý	VZ 330133	Testers MAHA
	Runways with Granulate Coating -Extra Charge	ACCESSORIES WHEEL ALIGNMENT LIFT	
	Short Lifting/Lowering Time approx. 20 s / 20 s (4200 kg) approx. 30 s / 30 s (5000 kg)	VZ 970135	Mechanical Locks (Functions Set on Locks and Runways exactly Level)
VZ 970029	Short lifting/lowering time approx. 12 s / 12 s (4200 kg) approx. 15 s / 18 s (5000 kg)	VZ 970042	Double Safety Catch for Precision Under-Carriage Alignment -EXTRA CHARGE-
VZ 975181	Compressed-Air Servicing Unit with Fastening Angle (0 - 10 bar)	VZ 975032	turning plates
	Wheel-Free Jack 4	VZ 975455	Granular Coating for Compensating and Support Plates for Turning Plates
VZ 9/50/4	Hard Rubber Blocks, Plug-in Type (4 pcs.) 120 x 100 x 50 mm	VZ 975027	9
VZ 975069	Plastic Chocks (4 pcs.) (47 x 132 x 340 mm)	VZ 975454	
VZ 990432	LED Illuminant, 2 pcs (1 pcs per each Runway)		without Wheel-Free Jack
VZ 990433	LED Illuminant, 4 pcs (2 pcs per each Runway)	ACCESSORI	ES WHEEL ALIGNMENT LIFT DUO CM 5.0
VZ 990012	Shockproof socket 230 V, integrated into runway (only in combination w. lighting)	VZ 970159	Sliding Plates (2 pcs.) Long Version (LxWxH: 1800 x 570 x 50 mm)
VZ 990029	Light Barrier Safety Device to avoid Contact with Ceiling	VZ 970148	Set of compensating plates for turntables (plain sheet; 5.2 m runway)
VZ 990423	Light Barriers at Outer Runway Edges as Extra Pinch Point Protection	VZ 970149	Set of compensating plates for turntables (plain sheet; 5.2 m runway)
VZ 970161	External Operating Unit for DUO CM 4.2/5.0 and	SUPPLEME	NTARY CHARGES
	R-AS40/50	VT 998040	Transportkosten Scherenhebebühne
AXLE JACK,	PLEASE SEE SEPARATE PRICELIST!	VM 996183	Installation Costs for Scissors Lifts (Lump Sum)
ACCESSORI	ES DUO CM 5.0	VM 996072	Install. Charges f. Ceiling Light Barrier -T&M Basis
VZ 970153	Compensating Plates for Level Adaption of	VM 995087	Levelling of Scissors-Lift/ Four Post Lift
	Wheel-Free Jack h = 50 mm (4 pcs),	VM 999035	Hydraulic Oil (HLP-D 22) per Litre -NET PRICE
ACCESSORIES DUO CM 4.2/5.0 U		VM 999014	Hydraulic Oil, Biodegradable (HLP 32), per litre -NET
	Automatic Roll-Off Protection (4 pcs.) incl. Support	VM 999047	Assembly Material DUO CM/R-AS40CM (Cables, Hydraulic Hoses) 5 m
VZ 970102	Floor Levelling Platform for Axle Lift in Strip Foundation -wide-	VM 999061	Assembly Material DUO CM/R-AS40CM with
VZ 975600	Grate within Driving Platform for Extended Version 5200 mm (h= 115 mm)	VM 999049	Wheel-Free Jack Assembly material additional for DUO CM/R-
ACCESSORI	ACCESSORIES TEST LANE LIFTS		AS40CM per meter (max. 8 m)
VP 985007	Axle Play Detector, PMS 3/X for Installation in Front of Scissors Lift	VM 999009	Fixing material (including adjusting pieces, adjusting screws and dowels)

