

DUO CM 4.2 U

LIFTING TECHNOLOGY



DUO

VP 250226

Scissors Lift with 4200 kg load capacity

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, cavity sealing
- ◆ Varnished with high-quality powder coating: gentian blue, RAL 5010
- ◆ 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

STANDARD 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:

Load capacity CE	4200 kg
Load capacity CE with wheel-free jack	4200 kg
Lifting height max.	2075 mm
Raising / Lowering time (load-dependent) approx.	40 s / 40 s
Drive-on height	240 mm
Installation depth	250 mm
Full travel	1850 mm
Operating pressure	190 bar
Motor power	2,5 kW
Fuse gG	16 A
Power supply	3/N/PE 400 V 50 Hz
Dimensions packaging (L x W x H)	4500 mm x 800 mm x 800 mm
Dimensions total (L x W x H)	4400 mm x 2075 mm x 240 mm
Runway dimensions (L x W x H)	4400 mm x 617 mm x 126 mm
Runway length, optional	4800 mm
Weight	2650 kg
Weight incl. packaging	2700 kg
Hydraulic fluid quantity (not included in standard delivery)	40 l

ACCESSORIES:

VZ 990450	Mains power supply 3/N/PE 380-400 V 60 Hz
VZ 990451	Mains power supply 3/N/PE 230 V 50 Hz
VZ 985060	Manual lowering function DUO CM
VZ 975013	Runways with granulate coating
VZ 970028	Lifting/Lowering Time 20/20s (4,2 t);30/30s (5,0t)
VZ 970029	lifting/lowering time 12/12s (4,2t); 15/18s (5,0t)
VZ 975181	Compressed-Air Servicing Unit
VZ 970012	Wheel-Free Jack 4
VZ 975074	Plug-In Type Hard Rubber Chocks
VZ 975069	Plastic chocks set 47 x 132 x 340 mm
VZ 990432	LED Illuminant 2 pieces
VZ 990433	LED Illuminant 4 pcs
VZ 990012	Shockproof socket 230 V
VZ 990029	Light barrier s. device to avoid c. with ceiling
VZ 990423	Pinch Point Protection DUO
VZ 970161	External Operating Unit DUO CM
VZ 970157	Storage Tray for Support Blocks
VZ 970156	Shortened Version Driving Platforms 4000 mm
VZ 970024	Extended driving runways 4800 mm
VZ 970162	Crossbar DUO CM 4.2, 950 mm
VZ 975040	Comp. Plates for Level Adaptation of WFJ
VZ 975041	Compensating plates f.level. of wheel-free jack
VZ 970023	Comp. plates f. level adap. of wheel-free jack
VZ 972165	Automatic Roll-Off Protection (4 pcs.)
VZ 970102	Floor levelling platf. f. axle lift in strip foundation
VZ 975019	Steel Grating 4400 mm

VZ 975189	Steel Grating 4800 mm
VZ 970113	Center platform for 4400 mm runways
VZ 970114	Center platform for 4800 mm runways
VZ 970116	Pedestal for operating element
VZ 970032	Floor levelling platf. f. axle lift
VZ 970115	Floor levelling platf. for axle lift AL II-series
VP 985007	PMS 3/X
VP 985024	PMS 3/XL
VZ 995021	Install. costs f. stand. install. of play detector
VZ 990199	Safety switch f. lift in conj. with brake testers
VP 985049	PMS 3/R
VP 985008	PMS 3/D for installation in lift rear
VZ 970039	DUO CM 10t drive over
VZ 970103	Wheel free jack 4 with 10 t drive over
VZ 970105	Compensation plate f. leveling, WFJ 10t, 4.4m
VZ 970151	Compensation plate f. leveling, WFJ 10t, 4.8m
VZ 970025	Axle play detector PMS 3/X/XL 10t drive over
VZ 970104	Axle play detector PMS 3/R 10 t drive over
VZ 970135	Mechanical Locks
VZ 970042	Double safety catch f. under-carriage alignment
VZ 975032	Compensating plates without turning plates
VZ 975455	Granular Coating for Turning Plates
VZ 975027	Sliding plate covers, standard aluminium
VZ 975454	Gran. coating f. comp. plates f. lift without WFJ
VZ 975026	Sliding plates 60 mm lateral motion
VZ 970027	Sliding plates long 1465 mm
VZ 975109	Compensating & support plates 4.0 m d.platform
VZ 975110	Compensating & support plates 4.4 m d.platform
VZ 970022	Compensating & support plates 4.8 m d.platform
VZ 975108	Compensating Plates (2 pieces)
VM 999035	Hydraulic Oil (HLP-D 22) per litre
VM 999014	Hydraulic Oil (HLP 32) Biodegradable
VM 999047	Assembly Material
VM 999061	Assembly Material with wheel free jack
VM 999049	Assembly material additional