

TECHNICAL DATA



BARRIER LIFT SYSTEM K12 UP TO 6M CWO

Design	Barrier Lift System with electro-hydraulic drive in separate drive cabinet, guide posts, anchor baskets, horizontal crash beam and ground frame for installation in roadway.	
Impact Load	1852 kJ (7.5 t @ 80 km/h) Crash test certified according to PAS 68 V/7500[N3]/80/90:0.0/31.0 and DOS SD-STD-02.01 Rev. A 03/2003 K12/L3	
Clear Width of Opening (CWO)	3.0 m, 3.5 m, 4.0 m, 4.5 m, 5.0 m, 5.5 and 6.0 m	
Blocking Height	1100 mm	
Crash Beam	Rectangular hollow section profile RHS 450x250 with cover plate	
Guide Stands	H x W x D: 2913 mm x 1293 mm x 571 mm (height without hydraulic cylinder), height above foundation: 1713 mm	
Ground Frame	L x W x H: (CWO + 24 mm) x 880 mm x 310 mm (width without anchors, height without 150 mm high drainage sleeves) Total width approx. 1013 mm	
Ground Sleeves	H x W x D: 1354 mm x 1370 mm x 400 mm (height without fastening bolts, depth without sleeve for hollow pipe connection)	
Drive Cabinet	H x W x D: 1400 mm x 1200 mm x 400 mm incl. 200 mm high base (standard/RO1)	
Emergency Operation	Via hand pump (standard) Accumulator incl. Rechargeable batteries for 1 movement (RO1) (optional)	
Operating Speed	Raising:	approx. 0.17 m/sec
	Lowering:	approx. 0.20 m/sec
Wheel Load	100 kN according to SLW60 – DIN 1072	
Drive	4.0 kW, 400 / 230 V (three-phase), 50 Hz	
Hydraulic Fluid	Mineral oil HLP 22 or biodegradable oil Plantohyd 22 S – NWG, water hazard class 1	
Control Unit	PLC in control box installed in drive cabinet (standard), PLC in separate control box for wall mounting inside a building (optional), control voltage 24 V	
Weight	Approx.	1230 – 1610 kg (crash beam)
	Approx.	3150 kg (guide stands and ground sleeves)
	Approx.	430 – 650 kg (ground frame)
	Approx.	280 – 400 kg (drive cabinet)
Colour (Standard)	Crash beam	RAL 9010 pure white
	Cover plate crash beam	RAL 9010 pure white
	Guide stands	RAL 9010 pure white
	Ground frame	RAL 9010 pure white
	Ground sleeves	primed (dark grey)
	Drive cabinet	RAL 7035 light grey
Colour (Optional)	Crash beam	Striped RAL 3000 flame red / RAL 9010 pure white RAL 3000 flame red or other RAL colours or DB colours
	Cover plate crash beam other	RAL colours or DB colours
	Guide posts	other RAL colours or DB colours
	Ground frame	other RAL colours or DB colours
Temperature Range	-20°C – 60°C	

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TECHNICAL DATA



BARRIER LIFT SYSTEM K12 UP TO 10M CWO

Design	Barrier Lift System with electro-hydraulic drive in separate drive cabinet, guide posts, anchor baskets, horizontal crash beam and ground frame for installation in roadway	
Impact Load	1699kJ (6.8t @ 50mph) Crash test certified according to DOD SD-STD-02.01 Rev. A 03/2003 K12/L2	
Clear Width of Opening (CWO)	6.0m, 7.0m, 8.0m, 9.0m and 10.0m	
Blocking Height	1100mm	
Crash Beam	Rectangular hollow section profile RHS 450x250 with cover plate	
Guide Stands	H x W x D: 2213mm x 1293mm x 571mm (height without hydraulic cylinder), height above foundation: 1713mm	
Ground Frame	L x W x H: (CWO + 24mm) x 880mm x 310mm (width without anchors, height without 150mm high drainage sleeves) Total width approx. 1013mm	
Ground Sleeves	H x W x D: 654mm x 1370mm x 400mm (height without fastening bolts)	
Drive Cabinet	H x W x D: 1400mm x 1200mm x 400mm incl. 200mm high base (standard/RO1)	
Emergency Operation	Via hand pump (standard) Accumulator incl. rechargeable batteries for one movement (RO1) (optional)	
Operating Speed	Raising: approx.	0.17m/sec
	Lowering: approx.	0.20m/sec
Wheel Load	100kN according to SLW60 – DIN 1072	
Drive	4.0kW, 400 / 230 V (three-phase), 5 Hz	
Hydraulic Fluid	Mineral oil HLP 22 or biodegradable oil Plantohyd 22 S – NWG, water hazard class 1	
Control Unit	PLC in control box installed in drive cabinet (standard), PLC in separate control box for wall mounting inside a building (optional), control voltage 24V	
Supply Voltage	400V (3Ph + N + PE), 50Hz	
Weight	Approx.	1610 – 2130 kg (crash beam)
	Approx.	2560 kg (guide stands and ground sleeves)
	Approx.	650 – 960kg (ground frame)
	Approx.	280 – 400kg (drive cabinet)
Colour (Standard)	Crash beam	RAL 9010 pure white
	Cover plate crash beam	RAL 9010 pure white
	Guide stands	RAL 9010 pure white
	Ground frame	RAL 9010 pure white
	Ground sleeves	primed (dark grey)
	Drive cabinet	RAL 7035 light grey
Colour (Optional)	Crash beam	Striped RAL 3000 flame red / RAL 9010 pure white RAL 3000 flame red or other RAL colours or DB colours
	Cover plate crash beam	other RAL colours or DB colours
	Guide posts	other RAL colours or DB colours
	Ground frame	other RAL colours or DB colours
Temperature Range	-20°C – 60°C	

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