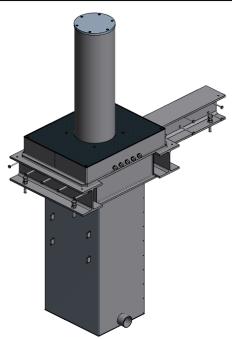


Technical Data Sheet



Design:	High security bollard in compact style with integrated hydraulic aggregate and separate control unit for up to five bollard units.	
Kinetic Impact Energy:	1852 kJ (7.5 t @ 80 km/h)	
Certification:	Crash test certified according to PAS 68:2013 V/7500[N3]/80/90:5.2/7.8, IWA 14-1:2013 V/7200[N3C]/80/90:5.5 and ASTM F 2656-07 M50/P2	
Blocking Element:	Diameter: 355 mm, 30 mm wall thickness with screwed on top plate	
Blocking Height:	1100 mm above finished floor level	
Emergency Operation:	Bollard remains in the raised position and can be lowered manually during power failure	
	Accumulator and rechargeable battery pack for one raising movement (RO1) with charged accumulator during power failure (optional)	
Operating Times:	Raising: approx. 5-6 sec - Lowering: approx. 3-4 sec	
	Emergency fast operation (EFO): approx. 2-3 sec raising with charged accumulator (optional)	
Wheel Load:	100 kN according to SLW60 – DIN 1072	
Drive:	1.5 kW, 230/400 V, three phase, 50 Hz	
Hydraulic Fluid:	Mineral oil HLP 22 or biodegradable oil Plantohyd 22 S, non-hazardous to water	
Control Unit:	Microprocessor control unit WE-Tronic II in control box for wall installation inside a building, control voltage 24 V DC	
	Max. distance between bollard and control unit: 50 m	
Supply voltage:	400 V (3Ph + N + PE), 50 Hz	
Lighting (Optional):	Bollard top lighting, Ufo-shape, LED red, white or yellow	



Technical Data Sheet

Tamper resistance: (Optional)	Reed contact for top plate and cover plate		
Control Box:	Control unit configuration without rechargeable battery pack:		
	HxWxD = 600x400x210 mm, IP 66 (for single, double and triple bollard unit) HxWxD = 600x600x210 mm, IP 66 (for quadruple and penta bollard unit)		
	Control unit configuration with rechargeable battery pack for RO1:		
	HxWxD = 800x400x300 mm, IP 66 (for single, double and triple bollard unit) HxWxD = 600x600x210 mm, IP 66 (for quadruple and penta bollard unit)		
Control Cabinet: (Optional)	Control box installed in outdoor control cabinet complete with rain cover, hygrostat, thermostat, heater and outdoor coating		
	HxWxD = 1200x1200x400 mm + 200 mm socket (for single, double and triple bollard unit with RO1) or HxWxD = 1000x800x400 mm + 200 mm socket (for all other bollard units) respectively		
Weight:	Approx. 1400 kg incl. metal housing		
Colour (Standard):	Blocking element Bollard top plate Cover plate Metal housing	RAL 6005, 7016, 7030, 7035 or 9010 galvanised finish galvanised finish galvanised finish	
Colour (Optional):	Blocking element Bollard top plate Cover plate	other RAL colour in RAL colour of blocking element in RAL colour of blocking element	
Optional Finish:	Blocking element with stainless steel sleeve and stainless steel top plate		
Temperature Range:	-20°C +65°C		
	Optional: Heating for up to -30°C		