

ENTRAQUICK PU30 FOLDING GATE (BSI PAS68:2013) V/2500[N1G]/48/90/1.2/0.0 (BSI IWA14-1:2013) V/2500[N1G]/48/90/1.3

PAS & IWA TEST CERTIFIED - 2500KG PU TRUCK AT 48KMPH 90 DEGREES



The Elkosta Quick Folding gate EntraQuick® PU30 is an innovative single leaf bi-folding gate. Unlike traditional access control products - such as sliding gates and barriers - it offers ultimate security for vehicle access points. It provides full height perimeter protection paired with very short operating times as well as impact resistance through its unique self-locking arrestor system.

The appeal of the arrestor system lies in its simplicity. The interceptor rod only engages in the catch hooks on the receiving post in the event of a vehicle impact, thereby rendering superfluous any unlocking action normally required prior to gate operation. The arrestor system is designed to prevent forceful entry of a pickup truck travelling at 50 km/h. The gate is designed for continuous operation and is therefore predestined for use at highly frequented locations such as logistic centres or ports.

The EntraQuick® PU30 boasts a trackless design which impresses not only with exceptional sturdiness, but also with its reliability and low maintenance requirements. It is well suited for passage of heavy and large trucks as there is no track or locking facilities in the driveway and no top guide rail limiting the passage height. The gate is securely locked in the closed position via a drive mechanism supported by interlocking of gate leaf and receiving post through in-feed roller and reception fork.

AT A GLANCE

- ▶ Impact resistance proven by vehicle impact simulation
- ▶ Obstruction free passage due to trackless design
- ▶ Fast operating times
- ▶ Easy installation due to pre-assembled drive post and folding leaf unit and factory wired drive and control unit
- ▶ Installation in all climate zones possible
- ▶ Reliable operation and low maintenance
- ▶ Release facility for manual operation during power failure



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STANDARD TECHNICAL SPECIFICATIONS

Design	Single leaf quick folding gate with gate leaf, drive post, receiving post, self-locking arrestor system, electro-mechanical drive and control unit	Emergency operation (during power failure)	By manual release of drive arm and unlocking of locking bolt
Impact Energy	241 kJ (2.5t @ 50 km/h)	Locking/release time	Approx. 3 seconds
Certification	Certified according to PAS 68:2013 V/2500[N1G]/48/90/1.2/0.0 and IWA 14-1: 2013 V/2500[N1G]/48/90/1.3 The achieved vehicle penetration corresponds to P1 based on datum points according to ASTM F2656/F2656M-18a	Control Box	HxWxD = 600x400x210 mm, IP66 <ul style="list-style-type: none"> with rain cover, mounted to drive post (std) for wall installation inside a building, max. distance 50 m (optional) in separate outdoor cabinet HxWxD = 1200x600x400 mm incl. 200 mm high socket, max. distance 50m (optional)
Clear Width (CW)	2000mm - 4000mm in 500mm increments	Control Unit	Automatic control (maintained command) WE-Tronic II with frequency converter, control voltage 24 V DC
Distance between posts	CW + 400mm	Supply voltage	230 V (1Ph + N + PE), 50 Hz
Gate Height	2050 mm, 2550 mm and 3050 mm incl. 100 mm ground clearance	Safety standards	Based on the design of the according to DIN EN 13241-1:2003 type-tested EntraQuick® II and furnished with identical standard safety devices
Gate Frame Profiles	Square hollow section SHS 100x5 (inner/leading gate leaf) Square hollow section SHS 100x4 (outer/trailing gate leaf)	Safety devices	4 nos. safety edges. Light beam between drive post and receiving post at car and HGV height as well as in separate light beam posts on the side of the folded gate leaf at car height Active infrared-presence detector (for EntraQuick with 2050 mm gate height)
Drive/receiving post	Square hollow section SHS 260x10 with base plate to bolt on	Lowered foundation	Top edge of foundation 200 mm below finished floor level
Arrestor system	Consisting of rope system with rope cover, rope fastener, articulated rope joints, clamps, active locking via actuator and tension rods with anchorage	Operating speed	Max. 0.5 m/s (depending on CW)
Opening direction	Left hand, opening inwards or right hand, opening inwards (standard)	Control devices (standard)	1 no. key switch OPEN / STOP / CLOSE in drive or receiving post



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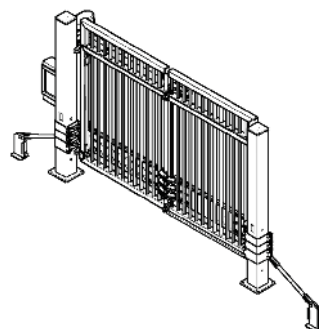


STANDARD TECHNICAL SPECIFICATIONS

Control devices (optional)	Induction loops, additional light beam in light beam posts at HGV height, additional key switch OPEN/ CLOSE / STOP, key switch OPEN / CLOSE / EMERGENCY STOP, key switch ON / OFF for automatic closing etc., key switch fire brigade, remote control with hand held transmitter, table top push button, timer, code key pad, card reader, intercom system	Finish (standard)	Hot-dip galvanised finish (with cover panels in RAL 7035 light grey) Hot-dip galvanised and powder-coated in RAL 6005 moss green, RAL 7016 anthracite grey, RAL 7030 stone grey, RAL 7035 light grey or RAL 9010 pure white
Signalling devices (optional)	Flashing permanent light or rotating beacon (LED), LED spot light, (Optional): traffic light	Finish (optional)	Hot-dip galvanised and powder-coated in other RAL colours
Options	Serrated top edge, steel spikes (from 2550 mm gate height), key safe, fence connection systems, heater for control unit and actuator, special infills on request	Temperature range	Control unit: -10 °C ... +50 °C Drive: -45 °C ... +50 °C Actuator of locking device: -10 °C ... +50 °C
Weight	Approx. 1450kg for maximum applicable dimension		

STANDARD TECHNICAL DRAWING

QFG PU30 viewed from the outside



QFG PU30 viewed from the inside

