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## Tender Description

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### **Quick Folding Gate EntraQuick® PU30**

Single leaf Quick Folding Gate with gate leaf, drive post, receiving post, self-locking arrestor system, electro-mechanical drive and control unit.

#### **DIMENSIONS:**

Clear Width of Opening (CWO):  
from 2000 - 4000 mm in 500 mm increments  
Distance between posts: CWO + 400 mm  
Gate Height: 2050 mm, 2550 mm or 3050 mm  
(incl. 100 mm ground clearance)  
Foundation Depth: 900 mm  
Foundation Top Edge: 200 mm below finished floor level

#### **IMPACT ENERGY/CERTIFICATION:**

241 kJ (2500 kg @ 50 km/h)  
Vehicle Impact Simulation PU30/P1

#### **OPENING DIRECTION VIEWED FROM THE OUTSIDE:**

Left hand, opening inwards or right hand, opening inwards

#### **GATE LEAF:**

Gate leaf frame made of square hollow section SHS 100.

#### **GATE INFILL:**

Bar infill made of square hollow section SHS 30 with a clear distance of max. 120 mm.

#### **ANTI-CLIMBING DEVICE (OPTIONAL):**

Optional: Serrated top rail  
Optional: Steel spikes D18, 100 mm long, centre distance max. 80 mm  
Optional: Barbed wire holders

#### **GATE POSTS:**

Drive and receiving post made of square hollow section SHS 260 complete with welded-on top plate and base plate to bolt onto foundation 200 mm below finished floor level.  
Optional: Posts fitted with fence connection

#### **LOCKING:**

Locking via drive system and mechanical locking device consisting of gate reception fork on receiving post and infeed rollers on gate leaf.

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### **ARRESTOR SYSTEM:**

Self-locking arrestor system consisting of rope system, cover panels, rope fastener, articulated rope joint between gate leaves, clamps on drive post, clamps with catch hook on receiving post, interceptor rod and tension rods with anchorage to concrete in

### **OPERATING SPEED:**

up to 0.5 m/s (depending on CWO)

### **DRIVE UNIT:**

Drive unit system consisting of gearbox motor, base plate, drive pulley, drive belt, drive arm, actuating arm, manual release, limit switches, limit switch cams and drive unit cover

Motor: 0.37 kW

### **EMERGENCY OPERATION DURING POWER FAILURE:**

Manual operation following removal of padlock and release of drive arm

### **CONTROL BOARD:**

Control board WE-Tronic II complete with frequency converter 0.75 kW in common control box HxWxD=600x400x200 mm, prepared for automatic functions, control voltage 24 V.

### **CONTROL BOX:**

Fitted with rain cover and mounted to drive post

Optional: for wall installation inside a building, max. distance 50 m

Optional: installed in separate outdoor cabinet

HxWxD=1200x600x400 mm incl. 200 mm high socket, max. distance 50 m

### **CONTROLLERS:**

1 no. key switch "Open-Stop-Close" in drive or receiving post

### **SAFETY DEVICES:**

2 nos. light beam systems consisting of receiver and transmitter unit at passenger car and HGV height

1 no. active infrared presence detector (for EntraQuick® with 2050 mm gate height)

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### **ACCIDENT PROTECTION EQUIPMENT:**

Safety edges to stop and reverse the gate by approx. 10 cm in opposite direction on contact.

3 nos. horizontal safety edges on bottom rails

1 no. vertical safety edge on front side stile

### **SAFETY STANDARDS:**

Based on the design of the according to DIN EN 13241-1:2003 type-tested EntraQuick® and furnished with identical standard safety devices.

### **LIGHTING (OPTIONAL):**

Halogen spotlight mounted to drive or receiving post.

### **ACCESS CONTROL EQUIPMENT (OPTIONAL):**

Rotating beacon, detector for induction loops, remote control complete with rod antenna and hand-held transmitter(s), push button, additional key switches, fire brigade contact, traffic light(s), etc.

### **STATUS INDICATION (OPTIONAL):**

Potential-free contacts "Gate open/closed"

### **FINISH:**

Hot-dip galvanised finish with cover panels in RAL 7035 light grey or hot-dip galvanised and powder-coated in Standard RAL colour 6005, 7016, 7030, 7035 or 9010

Optional: all other RAL colours

### **WEIGHT:**

Approx. 1450 kg for maximum applicable dimension

### **FOUNDATION:**

Reinforced foundation according to manufacturer's instructions

### **MANUFACTURER:**

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