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## Tender Description

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### Cantilever sliding gate EntraSteel, power-operated

with Clear Width up to 10,000 mm and 2,450 mm gate height or  
up to 12,000 mm and 2,050 mm gate height

Power-operated cantilever sliding gate with electro-mechanical drive, control unit,  
catch post, guide post, end post, control column and gate leaf.

#### DIMENSIONS:

Clear Width (CW): from 3,000 – 12,000 mm in 1,000 mm increments

Distance between posts: CW + 100 mm

Frame Width (FW) (without safety edges):

<b>CW [mm]</b>	3,000 4,000	5,000	6,000	7,000	8,000	9,000	10,000	11,000	12,000
<b>FW [mm]</b>	5,280	6,580	7,880	9,200	10,500	11,800	13,100	14,400	15,700

Gate height (incl. 100 mm ground clearance):

from 1,250 mm up to 2,050 mm (for CW  $\geq$  11,000 mm) or  
2,450 mm (for CW  $\leq$  10,000 mm) in 200 mm increments

Foundation top edge 90 mm below finished floor level

Optional: Foundation top edge 200 mm below finished floor level or foundation top  
edge = finished floor level

#### OPENING DIRECTION VIEWED FROM THE OUTSIDE:

To the right or to the left

#### GATE LEAF:

Gate leaf consisting of

- side rails and reinforcement bars made of square hollow section SHS 80x3 (up to 6,000 mm CW) and square hollow section SHS 100x3 (from 7,000 mm CW) respectively with a centre distance of 1300 mm
- top rail made of square hollow section SHS 100x3 (up to 6,000 mm CW) and square hollow section SHS 120x4 (from 7,000 mm CW) respectively
- reinforcement bottom profile made of square hollow section SHS 120x4
- 165 mm high, 150 mm wide roller profile

#### GATE INFILL:

Bar infill made of square hollow section SHS 30x2 with a clear  
distance of max. 120 mm.

Optional: Special infill on request (depending on infill with additional guide post and  
special profiling, only available for CW  $\leq$  10,000 mm)

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### **ANTI-CLIMBING DEVICE:**

none

Optional: Serrated top rail, 45 mm high

### **GUIDE POST:**

1 no. guide post made of square hollow section SHS 140 mounted to base frame complete with bridge, 2 nos. guide rollers and guide roller protection.

### **CATCH POST:**

1 no. catch post made of square hollow section SHS 140 complete with 300x300 base plate, gate reception fork and catch plate to support the gate leaf in the closed position.

Optional: Catch post to concrete in

### **END POST:**

1 no. end post made of square hollow section SHS 100 complete with 200x120 base plate and catch plate to support the gate leaf in the open position.

Optional: End post to concrete in

### **CONTROL COLUMNS:**

Control column H x B x T: 1200 x 480 x 270 mm mounted on base frame complete with sash fastener lock

### **ROLLER FRAME:**

2 nos. single roller frames with two run rollers and two cross rollers each (for up to 6,000 mm CW)

2 nos. double roller frames with four run rollers and two cross rollers each (from 7,000 mm CW)

### **OPERATING SPEED:**

Normal operation: up to 0.24 m/s

### **DRIVE UNIT:**

Drive unit system complete with gearbox motor, covered, spring -mounted toothed rack, toothed wheel and height adjustable mounting bracket installed in control column

Motor: 0.55 kW, 3~ 230 V Δ, 50 Hz

Proximity limit switches for final gate positions.

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

Manually following disengagement of motor via release lever

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### **CONTROL UNIT:**

Control Type A – Deadman (hold-to-run) control  
with key switch OPEN / CLOSE / STOP on inside/outside.  
WE-Tronic II type A with frequency converter mounted in control column,  
control voltage 24 V DC  
Control box H x W x D: 400 mm x 350 mm x 210 mm, IP66

or

Control Type B – Automatic control (maintained command)  
with key switch OPEN / CLOSE / STOP on inside/outside and  
the following safety devices:

- Six safety edges to safeguard against the hazards of crushing, shearing and draw-in
- Light beams (2 nos.) for monitoring of passage

WE-Tronic II type B with frequency converter mounted in control column,  
control voltage 24 V DC  
Control box H x W x D: 400 mm x 350 mm x 210 mm, IP66

### **SUPPLY VOLTAGE:**

Supply voltage 230 V (1Ph + N + PE), 50 Hz

### **CONTROLLERS:**

1 no. key switch OPEN / CLOSE / STOP in guide post and control column  
respectively

### **SAFETY DEVICES (CONTROL TYPE B):**

1 no. set of light beam system consisting of receiver and transmitter unit on the inside  
and outside respectively

### **ACCIDENT PROTECTION EQUIPMENT (CONTROL TYPE B):**

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

- 1 no. on front stile of gate leaf
- 1 no. on rear side stile of gate leaf
- 2 nos. on guide post
- 2 nos. on control column

### **CONTROL DEVICES (CONTROL TYPE A) (OPTIONAL):**

Additional key switch OPEN / CLOSE / STOP, key switch OPEN / CLOSE /  
EMERGENCY STOP

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### **CONTROL DEVICES (CONTROL TYPE B) (OPTIONAL):**

Induction loops, additional light beam, additional key switch OPEN/ CLOSE / STOP, key switch OPEN / CLOSE / EMERGENCY STOP, key switch ON / OFF for automatic closing etc., key switch partial opening, key switch fire brigade, remote control with hand held transmitter, table top push button, timer, code key pad, card reader, intercom system

### **SIGNALLING DEVICES (CONTROL TYPE A + TYPE B) (OPTIONAL):**

Flashing permanent or rotating beacon (LED), LED-spot light, traffic light

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

Potential-free contacts "Gate open/closed"

### **COLOUR (STANDARD):**

RAL 6005 – moss green, RAL 7016 – anthracite grey, RAL 7030 – stone grey, RAL 7035 – light grey or RAL 9010 – pure white  
End post in galvanised finish

### **COLOUR (OPTIONAL):**

All other RAL-colours or DB-colours  
End post in gate colour

### **WEIGHT:**

Approx. 550 – 1500 kg (depending on CW and gate height)

### **FOUNDATION:**

Reinforced foundation according to manufacturer's instructions

### **MANUFACTURER:**

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