Tender Description

# Cantilever sliding gate EntraSteel, power-operated

Clear Width (CW) up to 10 m

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 – 10,000 mm in 1,000 mm increments
Distance between posts: CW + 100 mm
Frame Width (FW) (without safety edges):

| **CW [mm]** | 3,000<br>4,000 | 5,000 | 6,000 | 7,000 | 8,000 | 9,000 | 10,000 |
|---|---|---|---|---|---|---|---|
| **FW [mm]** | 5,280 | 6,580 | 7,880 | 9,200 | 10,500 | 11,800 | 13,100 |

Gate Height: 1.250 mm – 2.450 mm in 200 mm increments, incl. 100 mm ground clearance
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
- reinforcement bottom profile and 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
- 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)

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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: Catch 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 four cross rollers each (for up to 6,000 mm CW)
2 nos. double roller frames with four run rollers and four 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 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 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 (Control Type A) or OPEN / CLOSE / STOP (Control Type B) in guide post and control column respectively

**SAFETY DEVICES (CONTROL TYPE B):**
2 nos. sets of light beam system on the inside consisting of receiver and transmitter unit

**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

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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

**COLOUR (OPTIONAL):**
All other RAL-colours or DB-colours

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

**FOUNDATION**:
Reinforced foundation according to manufacturer's instructions

**MANUFACTURER:**
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