
Tender Description

Cantilever sliding gate EntraLight, power-operated

Clear Width (CW) up to 8 m

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

DIMENSIONS:

Clear Width (CW): From 3,000 – 8,000 mm in 1,000 mm increments

Distance between posts: CW + 350 mm

Frame Width (FW) (without rubber buffers):

CW [mm]	3,000	4,000	5,000	6,000	7,000	8,000
FW [mm]	4,595	5,875	7,155	8,555	9,995	11,275

Gate Height: 1,050 mm – 2,050 mm in 200 mm increments,
incl. 100 mm ground clearance

Foundation top edge 90 mm below finished floor level

OPENING DIRECTION VIEWED FROM THE OUTSIDE:

To the right or to the left

GATE LEAF:

Gate leaf consisting of

- side rails made of special profile 100/40
- reinforcement bars made of rectangular hollow section RHS 100/40 (from 6,000 mm CW)
- top rail made of special profile 62 mm high, 102 mm wide
- bottom rail made of special profile 240 mm high, 102 mm wide (up to 6,000 mm CW) or special profile 355 mm high, 102 mm wide (from 7,000 mm CW)

GATE INFILL:

Bar infill made of square hollow section SHS 40x1.5 with a clear distance of max. 120 mm.

ANTI-CLIMBING DEVICE:

none

Optional: Serrated top rail, 45 mm high (from 1,850 mm gate height)

GUIDE POST:

1 no. guide post made of square hollow section SHS 140x4 mounted to base frame complete with one-sided bridge and two guide rollers.

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CATCH POST:

1 no. catch post to concrete in made of square hollow section SHS 140x4 complete with gate reception fork and catch plate to support the gate leaf in the closed position.

Optional: Catch post with base plate to bolt on

END POST:

1 no. end post to concrete in made of square hollow section SHS 100x3 complete with catch plate to support the gate leaf in the open position.

Optional: End post with base plate to bolt on

ROLLER FRAME:

2 nos. double roller frames with four run rollers and four cross rollers each

OPERATING SPEED:

Normal operation: Up to 0.21 m/s (depending on selected setting)

Optional: Speed package for increased operating speed of up to 0.40 m/s

DRIVE UNIT:

Drive unit system complete with electric drive 24 V DC, 140 VA, covered, spring mounted plastic toothed rack, modulus 5, toothed pinion, control unit, drive housing, stainless steel drive housing cover and swing handle. Drive unit system mounted via base plate to base frame.

EMERGENCY OPERATION DURING POWER FAILURE:

Manually following emergency release of drive unit via profile half cylinder and swing handle lock

CONTROL UNIT:

Control Type Basic – Deadman (hold-to-run) control with key switch OPEN/CLOSE/STOP on inside/outside.

Control unit in control box mounted to drive housing, control voltage 24 V DC

Or

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

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

Control unit in control box mounted to drive housing, control voltage 24 V DC

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SERVICE INTELLIGENCE:

PPG Connect IIoT-Hardware for Controlling (Automatic control operation only), Condition Monitoring and Predictive Maintenance capabilities. 4G Mobile Network (2G, 3G fallback) and GPS localization functionality.

SUPPLY VOLTAGE:

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

CONTROLLERS:

1 no. key switch OPEN/CLOSE/STOP in guide post on the outside and in catch post on the inside respectively

SAFETY DEVICES (CONTROL TYPE PLUS):

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

ACCIDENT PROTECTION EQUIPMENT (CONTROL TYPE PLUS):

Two safety edges on guide post to stop and reverse the gate by approx. 10 cm in opposite direction on contact.

CONTROL DEVICES (CONTROL TYPE BASIC) (OPTIONAL):

Key switch OPEN/CLOSE/EMERGENCY STOP, additional key switch OPEN/CLOSE/STOP

CONTROL DEVICES (CONTROL TYPE PLUS) (OPTIONAL):

Key switch OPEN/CLOSE/EMERGENCY STOP, additional key switch OPEN/CLOSE/STOP, key switch for loop or timer ON/OFF, key switch permanently open ON/OFF, key switch partial opening, key switch fire brigade, loop detector 1-channel in connection with induction loop function „Opening“, induction loop, remote control with hand held transmitter, table top push button OPEN/CLOSE/STOP, weekly timer, code key pad, card reader, automatic closing activated in control unit, 1 no. additional light beam HGV height on the outside

SIGNALLING DEVICES (CONTROL TYPE BASIC + TYPE PLUS) (OPTIONAL):

LED rotating beacon

COLOUR (STANDARD):

Gate leaf Aluminium nature, guide, catch and end post hot-dip galvanised

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COLOUR (OPTIONAL):

- Gate leaf silver anodised (Eloxal E6/EV1), guide and catch post hot-dip galvanised
- Gate leaf silver anodised (Eloxal E6/EV1), guide and catch post coated in optional RAL-colour
- Gate leaf, guide and catch post coated in standard colour RAL 6005 (moss green), RAL 7016 (anthracite grey), RAL 7030 (stone grey), RAL 7035 (light grey) or RAL 9010 (pure white)
- Gate leaf, guide and catch post coated in all other RAL-colours or DB-colours
- End post in gate colour

FOUNDATION:

Reinforced foundation according to manufacturer's instructions

MANUFACTURER:

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