
Tender Description

Quick Folding Gate II (QFG II)

Double leaf Quick Folding Gate with gate leaves, drive posts, electro-mechanical drives and control unit.

DIMENSIONS:

Clear Width (CW):

from 4000 - 10000 mm in 500 mm increments

Distance between posts: CW + 760 mm

Gate height (incl. 100 mm ground clearance): 2050 mm, 2550 mm
(only for CW ≤ 8000 mm) or 3050 mm (only for CW ≤ 8000 mm)

Foundation depth: 900 mm

Foundation top edge: 200 mm below finished floor level

Optional: alternative floor recess for up to 200 mm lowered foundation

OPENING DIRECTION VIEWED FROM THE OUTSIDE: Opening inwards

Optional: opening outwards

OPENING ANGLE:

90° maximum opening

GATE LEAVES:

Gate leaves frame made of square hollow section SHS 100x5 (inner/leading gate leaves) and SHS 100x4 (outer/trailing gate leaves) respectively.

GATE INFILL:

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

ANTI-CLIMBING DEVICE (OPTIONAL):

Serrated top rail or steel spikes D18, 100 mm long, centre distance max. 80 mm (from 2550 mm gate height)

GATE POSTS:

Drive posts made of square hollow section SHS 260x10 complete with welded-on top plate and base plate to bolt onto foundation
Optional: Post(s) fitted with fence connection system

Tender Description

LOCKING:

Locking via drive system and mechanical locking device consisting of gate reception fork on one folding gate leaf and infeed rollers on the other folding gate leaf.

OPERATING SPEED:

up to 1.0 m/s (double leaf, depending on CW)

DRIVE UNIT:

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

Motor: 0.37 kW, 3~ 230 V Δ , 50 Hz

EMERGENCY OPERATION DURING POWER FAILURE:

Manual operation following removal of padlock and release of drive arm

CONTROL UNIT:

Control unit WE-Tronic II complete with 2 nos. frequency converters 0.75 kW in control box HxWxD=600x400x210 mm, prepared for automatic functions, control voltage 24 V DC.

CONTROL BOX:

Fitted with rain cover and mounted to one of the drive posts
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

SUPPLY VOLTAGE:

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

CONTROL DEVICE:

1 no. key switch "Open-Stop-Close" in one of the drive posts
(on the outside for opening direction inwards and on the inside for opening direction outwards respectively)

Tender Description

SAFETY DEVICES:

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

6 nos. horizontal safety edges on bottom rails

2 nos. vertical safety edges on front side stiles

Light beam between drive posts at car and HGV height as well as in separate light beam posts on the side of the folded gate leaves at car height

2 nos. active infrared presence detectors (for Quick Folding Gate (QFG) with 2050 mm gate height)

CERTIFICATION:

Type-tested by UL

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 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 (OPTIONAL):

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

STATUS INDICATION (OPTIONAL):

Potential-free contacts "Gate open/closed"

FINISH:

Hot-dip galvanized finish or hot-dip galvanized and powder-coated in Standard RAL colour 6005, 7016, 7030, 7035 or 9010

Optional: all other RAL colours

WEIGHT:

Approx. 1600 kg for maximum applicable dimension

FOUNDATION:

Reinforced foundation according to manufacturer's instructions