
Tender Description

Quick Folding Gate II (QFG II) Mobile

Double leaf Quick Folding Gate with folding leaves, drive posts, electro-mechanical drives, control unit as well as base construction for mobile installation

DIMENSIONS:

Clear Width (CW):

from 4000 - 10000 mm in 500 mm increments

Distance between posts: CW + 760 mm

Gate height (without ground plate): 2050 mm, 2550 mm (only for CW ≤ 8000 mm) or 3050 mm (only for CW ≤ 8000 mm)

Frame height of folding leaves = gate height – 100 mm

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

GATE POSTS:

Drive posts made of square hollow section SHS 260x10 complete with welded-on top plate and base plate to screw onto ground plate for mobile installation

Optional: Post(s) fitted with fence connection system

BASE CONSTRUCTION:

Base construction consisting of two ground plates 1250 x 2100 x 30 connected via distance plates.

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LOCKING:

Locking via drive system and mechanical locking device consisting of gate reception fork on one folding leaf and infeed rollers on the other folding 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~ 120 V Δ , 60 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 two drive posts

SUPPLY VOLTAGE:

120V (1Ph + N + PE), 60 Hz

CONTROL DEVICE:

1 no. key switch "Open-Stop-Close" in drive post with the mounted control box

(on the outside for opening direction inwards and on the inside for opening direction outwards respectively)

CONTROL CABLES:

Control cables complete with plug-in connectors for connection of motor, limit switch, safety edges and light beams included in the scope of supply

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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):

Additional light beam in light beam posts at HGV height, key switch ON / OFF for automatic closing etc., key switch fire brigade, remote control with hand held transmitter, table top push button, weekly or yearly timer, code key pad, card reader

SIGNALLING DEVICES (OPTIONAL):

Flashing permanent light, rotating beacon (LED), LED spot light or traffic light installed on the gate post with the mounted control box

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. 4520 kg for maximum applicable dimension