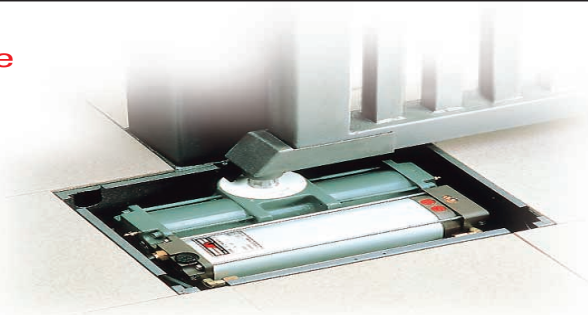




BFT Model SUB

A complete range of hydraulic underground operators



NEW IMPROVED FOUNDATION BOX



The CPS is a heavy gauge load bearing foundation box that will support gates of up to 800kg. The box can be installed as the lower hinge of the gate and the SUB operators retro fitted without disturbing the gate.

BSC



The SUB operator and the CPS boxes should be installed with the drive shaft collar aligned with the top hinge of the gate. (See opposite page) If this is not possible a roller arm (BSC) will allow the drive shaft to be fitted within 200mm radius of the hinge.

TECHNICAL SPECIFICATIONS:

- ELECTRO-HYDRAULIC 230v
- DOMESTIC
- MULTI USER
- COMMERCIAL
- ABSORBED POWER: 250w
- MAX TORQUE: 400N
- PUMP CAPACITY: 1.25 Ltrs / min
- MAX PRESSURE: 20 BAR
- THERMALLY PROTECTED

The SUB name covers a range of hydraulic underground operators designed for different gate sizes and opening angles.

All SUB models are high duty, high quality operators suitable for domestic, multi-user (apartments) and commercial applications.

The is the premier range of underground operators for quality gates and busy entrances.

The BFT SUB Motor is the choice of thousands of professional installers. For reliability and longevity of service the SUB unit is hard to beat.

Non locking SUB motors (E, ER, GE) require an electronic lock to be added to the system.

All SUB motors operate through 130 degrees apart from SUB G which operates through 180 degrees.

Easy to fit:

All SUB Motors are supplied with a heavy, load bearing steel foundation box (CPS). Gates can be pre-hung on these boxes and the motors retro-fitted (Also useful for servicing).

The foundation box is load bearing, will support an 800kg load and replaces the lower hinge.

Suitable for:

Metal gates, Timber gates, Small & Medium close boarded (wind affected) gates. Busy entrances and Prestigious locations.

Recommended control panel:

BFT RIGEL 5 – Multi function programmer.

Will it fit? Check Mounting Dimensions on page 4.

2 YEAR WARRANTY



KIT

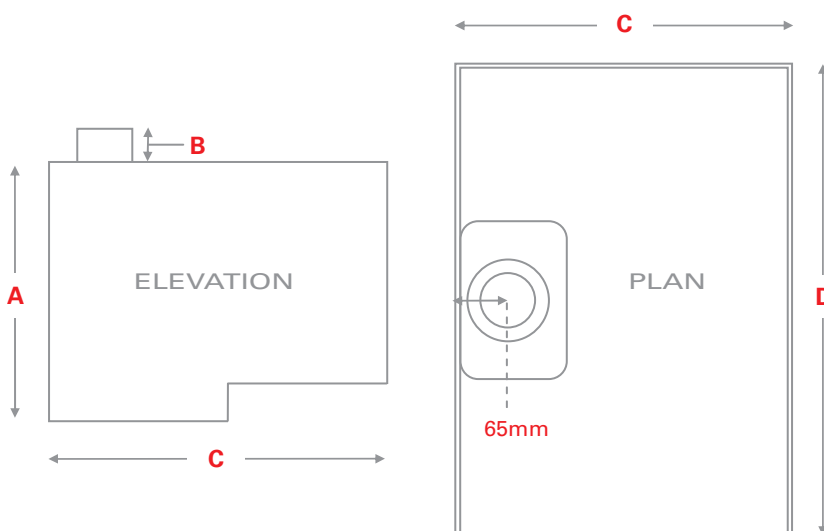
- ▲ SUB KITS INCLUDE:
- 2 x SUB MOTORS & CPS
- HEAVY FOUNDATION BOXES
- 1 x CONTROL PANEL & RECEIVER
- 2 x RADIO TRANSMITTERS
- 1 x ANTENNA
- 1 x PAIR SAFETY BEAMS

SUB Operator information

WHICH SUB OPERATOR DO YOU NEED? See table below

MODEL	LOCKING	OPENING ANGLE	GATE SIZE	WEIGHT	SPEED (90)	FEATURES
SUB	HYD LOCK	130 DEGREE	1800mm	800kg	17 SECONDS	Standard unit
SUB R	HYD LOCK	130 DEGREE	1800mm	800kg	10 SECONDS	Fast with slow down
SUB E	REVERSIBLE	130 DEGREE	2500mm	800kg	17 SECONDS	Non locking unit
SUB ER	REVERSIBLE	130 DEGREE	2500mm	800kg	10 SECONDS	Fast with slow down non locking
SUB G SUB GR	LOCKING	180 DEGREE	1800mm	800kg	17 SECONDS 10 SECONDS	180 opening
SUB EG	REVERSIBLE	180 DEGREE	2500mm	800kg	17 SECONDS	180 opening non locking
SUB EL	REVERSIBLE	130 DEGREE	3500mm	800kg	21 SECONDS	Large gate / non locking

CPS FOUNDATION BOX DIMENSIONS



A = 220mm

B = 30mm

C = 285mm

D = 400mm (CPS G 180 = 470mm)

The SUB motors are fitted below ground level with the operator drive shaft aligned with the axis of the gate hinge.

In order to attain this alignment the hinge centre must be clear of the face of the gate post by 65mm.

The operator will support an 800 kg load and it is recommended that it replaces the lower hinge of the gate (i.e. not installed below a pair of existing hinges)

The operator runs on a timed sequence set at the system control panel. Gate stops are required in the open and closed position of the gate to stop the gate before the operator reaches the end of its travel.

Failure to observe this point will affect performance, shorten the life of the unit and may invalidate the warranty.

