
Tender Description

Wedge Barrier K12

Blocking width up to 4.0 m

BLOCKING ELEMENT:

Blocking width: from 2000 - 4000 mm in 500 mm steps

Blocking height: 1200 mm above road way top edge

UNDERGROUND HOUSING ASSEMBLY UNIT:

Length: Blocking width + 360 mm

Width: 2100 mm

Depth: 400 mm

IMPACT LOAD/KINETIC ENERGY:

1852 kJ

Certified according to PAS 68 V/7500[N3]/80/90:0.0/18.0
and DOS SD-STD-02.01 Rev. A 03/2003

WHEEL LOAD:

100 kN wheel load according to SLW60 - DIN 1072

WEIGHT:

Depending on blocking width approx. 1900 – 2800 kg (wedge
and cylinder housing)

Depending on fitting of optional accumulator approx. 280 – 400 kg
(drive cabinet)

NORMAL OPERATING TIMES:

Raising of blocking element approx. 3.5 sec to 1200 mm above
road way

Lowering of blocking element approx. 3.5 sec to road way
level

DRIVE CABINET:

Drive cabinet HxWxD=1400x1200x400 incl. 200 mm high
base for indoor installation complete with corrosion protected
hydraulic aggregate, PLC Easy in control box, heating 500 W,
thermostat, air grille, air grille with fan and LED-system light.
Optional: outdoor version incl. hose-proof hoods, rain cover and
outdoor coating

Optional: drive cabinet HxWxD=1800x1200x500 incl. 200 mm high
base in connection with RO3 option

LOCKING MECHANISM FOR DRIVE CABINET:

3-point locking system with double-bit insert

Optional: Folding lever handle with profile cylinder

Tender Description

HYDRAULIC DRIVE UNIT:

Hydraulic aggregate with motor 4.0 kW, pump, magnetic valves, hand pump and ball cock valve
Length of hydraulic hoses: max. 25 m

EMERGENCY FAST OPERATION (EFO) (Optional):

Raising time approx. 1 sec via accumulator

EMERGENCY OPERATION DURING POWER FAILURE:

Manual raising via hand pump
Manual lowering via ball cock valve
Optional: Accumulator and battery pack for three remote operations (RO3) during power failure (only available for non-EU and non-EFTA countries)

HYDRAULIC FLUID:

Biodegradable hydraulic fluid Plantohyd 22 S, non-hazardous to water, or mineral oil HLP 22

CONTROL:

PLC type Easy in control box, installed in drive cabinet, control voltage 24 V
Optional: PLC type Easy in separate control box for wall mounting inside a building
Optional: socket SCHUKO type F, plug CEE 7/3 mounted on a top-hat rail inside the control box

OPTIONAL SAFETY EQUIPMENT:

Warning plate with 2 nos. red flashing lights for blocking width ≤ 3 m and 3 nos. red flashing lights for blocking width ≥ 3.5 m
Function: Flashing light during drive unit operation
Permanent light in raised position

OPTIONAL EQUIPMENT:

Drainage casing

CONTROL DEVICES (OPTIONAL):

- push button "raise/stop/lower" or key switch "raise/stop/lower"
- key switch "fire brigade"
- anti-terror push button (for emergency raising or EFO)
- light beam system
- remote control receiver
- antenna for remote control receiver
- hand-held transmitter
- additional push button or key switch

Tender Description

- double loop detector
- key switch "automatic on/off"
- traffic light red/green, D200
- door contact switch for drive cabinet

STATUS INDICATION (OPTIONAL):

Potential-free contacts "Wedge lowered/raised"

COLOUR OF COATING:

Blocking element: RAL 7030 stone grey
Cover plates: RAL 7030 stone grey
Cover plates: RAL 3000/9010 (red/white) V-striped (Optional)
Cover plates: RAL 9005/1007 (black/yellow) V-striped (Optional)
Warning plate: RAL 3000 flame red
Warning plate: RAL 3000/9010 (red/white) V-striped (Optional)
Warning plate: RAL 9005/1007 (black/yellow) V-striped (Optional)
Underground housing: RAL 7030 stone grey
Drive cabinet: RAL 7035 light grey

INSTALLATION UNIT:

The wedge barrier K12 is delivered as a ready to install unit. The electro-hydraulic drive unit is installed in a separate drive cabinet and factory-adjusted.

FOUNDATION:

Reinforced foundation according to manufacturer's instructions

MANUFACTURER:

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