
Tender Description

Wedge II

Blocking width up to 4.0 m

BLOCKING ELEMENT:

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

Blocking height: 1000 mm above road way top edge

BASE FRAME:

Length: Blocking width + 200 mm

Width: 1950 mm

Depth: 300 mm

IMPACT LOAD/KINETIC ENERGY:

1852 kJ

Certified according to IWA 14-1:2013 V/7200[N3C]/80/90:0.0,

PAS 68:2013 V/7500[N3]/80/90:0.0/20.7 and

ASTM F2656/F2656M-15 M50/P1

WHEEL LOAD:

100 kN wheel load according to SLW60 - DIN 1072

WEIGHT:

Depending on blocking width approx. 1500 – 2000 kg (wedge)

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

NORMAL OPERATING TIMES:

Raising of blocking element approx. 3.5 sec to 1000 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. hygostat, rain cover and outdoor
coating

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

HYDRAULIC FLUID:

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

BUILT-IN COMPONENTS BASE FRAME:

1 no. hydraulic cylinder
3 nos. spring pressure pistons
5 nos. scissor joints

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:

- Wedge fitted with safety skirt
- LED-strip lighting and front cover fitted to impact beam

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

Tender Description

- additional push button or key switch
- 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)
Safety skirt:	RAL 3000 flame red
Safety skirt:	RAL 3000/9010 (red/white) cross striped (Optional)
Safety skirt:	RAL 9005/1007 (black/yellow) cross striped (Optional)
Base frame:	RAL 7030 stone grey
Scissor joints:	RAL 3000 flame red
Hydraulic cylinder:	RAL 3000 flame red
Drive cabinet:	RAL 7035 light grey

INSTALLATION UNIT:

The wedge II 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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