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## Tender Description

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### Wedge II

Blocking width up to 4.0 m

#### **BLOCKING ELEMENT:**

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

Blocking height: 1000 mm above finished floor level (FFL)

#### **BASE FRAME:**

Length: Blocking width + 200 mm

Width: 1950 mm

Depth: 300 mm

#### **KINETIC IMPACT ENERGY:**

1852 kJ (7500 kg @ 80 km/h)

#### **CERTIFICATION:**

Crash test 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)

#### **OPERATING TIMES:**

Raising of blocking element approx. 3.5 sec

Lowering of blocking element approx. 3.5 sec

Emergency Fast Operation (EFO): raising approx. 1 sec (with optional accumulator)

#### **DRIVE CABINET:**

Drive cabinet HxWxD=1400x1200x400 incl. 200 mm high base for indoor installation complete with corrosion protected hydraulic aggregate, microprocessor control unit WE-Tronic II in control box, heating 500 W, thermostat, air grille, air grille with fan and LED- lighting.

Optional: outdoor version incl. hygostat, rain cover, hose-proof hoods and outdoor coating

#### **LOCKING MECHANISM FOR DRIVE CABINET:**

3-point locking system with double-bit insert

Optional: Folding lever handle with profile cylinder

#### **TAMPERING RESISTANCE FOR DRIVE CABINET (OPTIONAL):**

Door contact switch

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### **HYDRAULIC DRIVE UNIT:**

Hydraulic aggregate with motor 4.0 kW, 400/690 V, three-phase, 50 Hz, pump, manifold, 2/2 directional seated valves, pressure limit valve, pressure switch, return valve, temperature and oil level sensor, hand pump and ball cock valve or drain valve  
Length of hydraulic hoses: max. 25 m

### **EMERGENCY OPERATION DURING POWER FAILURE:**

Manual raising via hand pump, manual lowering via ball cock valve or drain valve  
Optional: Accumulator and battery pack for three remote operations/movement cycles (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 UNIT:**

Microprocessor control unit WE-Tronic II in control box, installed in drive cabinet, control voltage 24 V DC  
Optional: With rechargeable battery pack for RO3-function  
Optional: socket SCHUKO type F, plug CEE 7/3 mounted on a top-hat rail inside the control box

### **COVERING OPTIONS FOR BLOCKING ELEMENT (OPTIONAL):**

- Safety skirt
- Front cover complete with side elements fitted to impact beam

### **CONTROL DEVICES (OPTIONAL):**

- Push button "raise/stop/lower" or key switch "raise/stop/lower"
- Key switch "fire brigade"
- Key switch "automatic closing on/off"
- Anti-terror push button (for EFO/EO)
- Light beam system
- Remote control receiver, 4-channel including rod antenna
- 2-channel or 4-channel hand-held transmitter
- 1-channel or 2-channel loop detector
- LED-strip lighting, red
- Traffic light red/green, D200
- Flashing permanent beacon or revolving beacon
- Alarm horn for outdoor control cabinet

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### **STATUS INDICATION (OPTIONAL):**

Potential-free contacts "Wedge lowered/raised"

### **COLOUR OF COATING:**

Blocking element: RAL 7030 stone grey  
Cover plate: RAL 7030 stone grey  
Cover plate: RAL 3000/9010 (red/white) V-striped (optional)  
Cover plate: 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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