FACTORY • LOGISTICS
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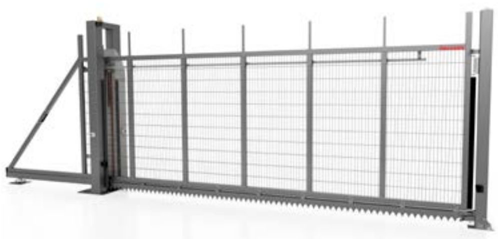
CANTILEVER SLIDING GATE

ACCESS CONTROL



Motorized or manual version in hot dip galvanized steel. Powder coated version available as an option.

THOR HIGH VOLTAGE

Cantilever sliding gate for Electric power industry applications.

ADVANTAGES

CONSTRUCTION

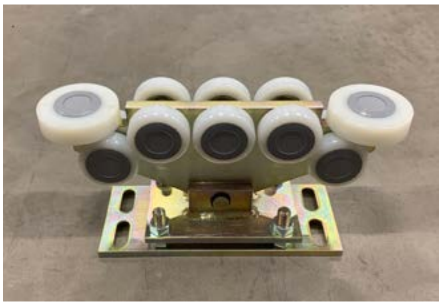
THE WING

The Thor "High Voltage" cantilever sliding gate has been developed for the Nordic climate, and designed according to the specification from the high voltage authorities. The gate is equipped with a special grounding system as standard. It is a fully welded construction with an under beam made of specific C-profile. The welded gate frame consists of a square or rectangular horizontal tube and vertical square tubes. The infill consists of welded double bar panel 8/6/8 "Mesh 50x200 mm" or optionally "Mesh 50x50 mm". Prepared for barbed wires as standard. Wired safety edges on the front and back of the gate wing.

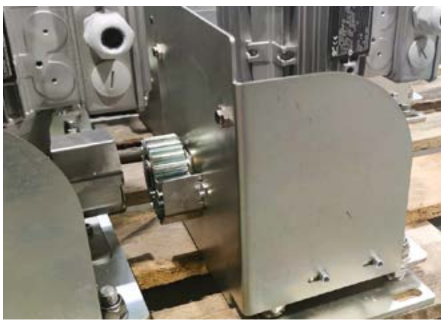
THE GUIDE POST AND END POST

The standard one sided end post is made of square tube and is equipped with a catcher, electromagnetic lock and a base to guide and support the wing when the gate is closed.
Guide post for automatic gates is equipped with coated steel cabinet to protect all electric connections and electronic devices.
Four pieces of wired Safety edges on the cabinet and guiding post. Cabinet top has a rounded steel plate roof to prevent climbing. Steel plate bolted to the cabinet from the inside of the cabinet to cover lower part of the cabinet. Raised cabinet door by 400 mm from the ground .

Electrical cabinet equipped with a Halsang H102 controller and frequency modulator.


Roller set.


Motorisation Sleipner and heating element.


Dust and snow protection for the cabinet.

GUIDE ROLLER SETS AND GUIDE ROLLERS

The wing is supported and guided by 2 roller sets with ball bearings, integrated in the under-beam. One roller set is mounted on the base plate of the guide post and the second independent roller set is installed at the rear end of the foundation. Both roller sets support the under-beam in order to guarantee perfect guiding of the gate wing.
Lateral guiding of the wing is done by 2 horizontal guide rollers with ball bearings; guide on the top of the guide post.
All rollers are made of high quality Polyamide. The material guarantees longevity and silent running of the gate wing.

COATING

Posts and wing are hot dip galvanized or additionally powder coated. The standard RAL colors are RAL 9007, RAL 9005, RAL 6005. Other colors are available on request.
For automatic versions, the cabinet for electronic devices is powder coated in standard colour RAL 9007.

Hot Dip Galvanized	Hot dip galvanized according to EN-ISO 1461.
Powder coating	Posts and wing can be polyester powder coated as an option. Thickness of powder coating: between 60 µm and 80 µm.

MODE OF OPERATION

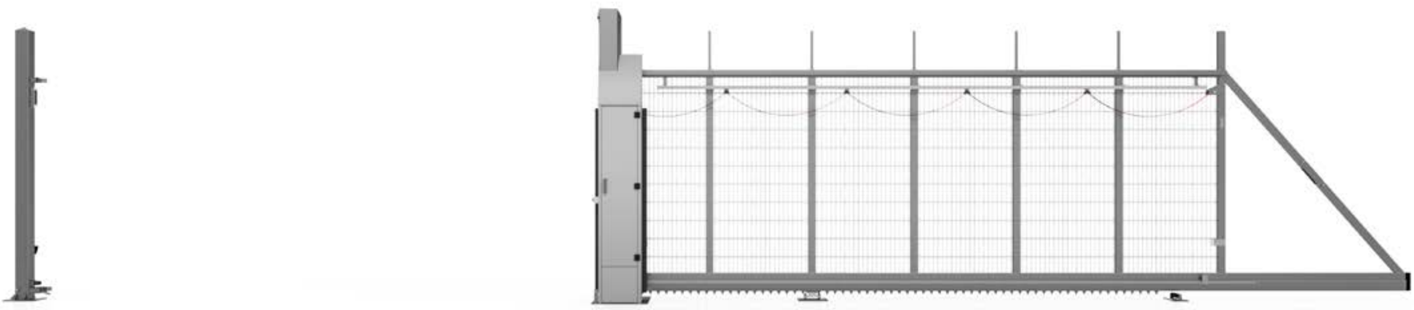
Motorized with Halsang Sleipner control, incl frequency modulator with soft start and stop for optimal operation. Fully pre-assembled when delivered, allowing an easy and fast installation on site. Opening/closing speed: 0,4 meter/second.
Steering and electronics installed in a full height cabinet. TÜV approved and in accordance with EN 13241-1.
For manual versions, the gates are equipped with a special lock and a handle for sliding gates.

FEATURES

- Completely welded steel construction in HDG version.
- Welded double bar panel 8/6/8 “Mesh 50x200 mm” as standard. “Mesh 50x50 mm” as optional.
- Easy access to the cabinet (coated in RAL 9007) for service and maintenance.
- Extra external support roller for openings above 6 meter.
- Max standard opening width 6 meter.
- Standard height 2 430 mm + 425 mm “barb wire holder tubes”.
- TÜV approved and in accordance with EN 13241-1.
- Other dimensions on request.
- Electromagnetic lock “540 kg” holding force.
- Reed switches at the end of the wing and on the cabinet “Automatic version”.
- Reed switch on the end post on the “Manual version”.
- Grounding system with copper braided flexible connectors 35 mm^2.
- Under crawling protection strip on the bottom of the wing.
- All safety equipment “safety edges, Photocells” are wired.
- Induction loop detector as standard

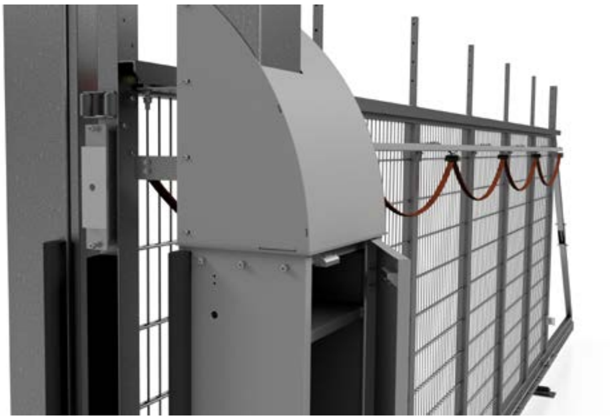
TÜV SÜD

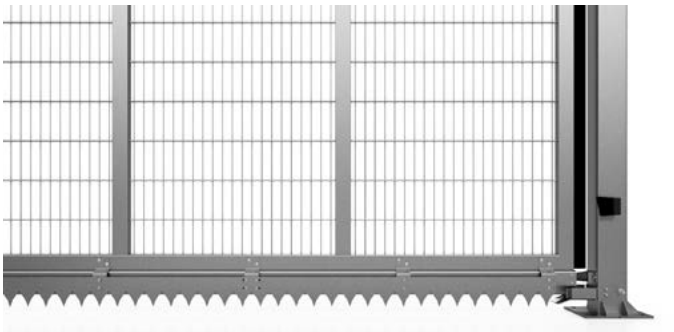
In accordance with En 13241



Automatic gate equipped with standard warning light, photocell and safety strip.

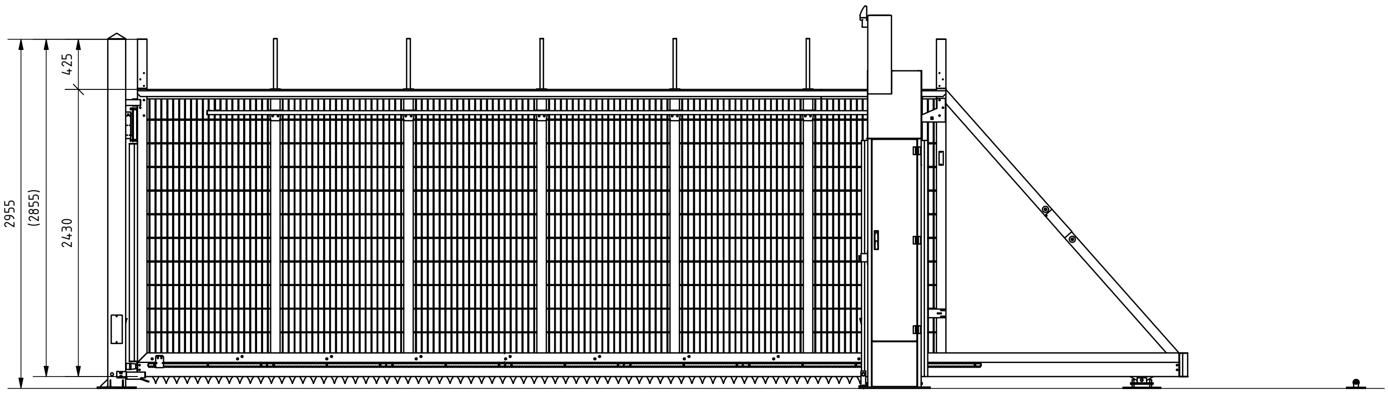
THOR HIGH VOLTAGE



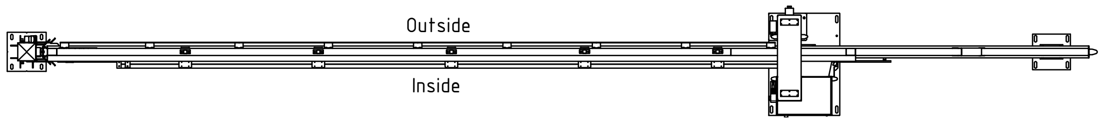


Gate with toothed strip.

Control cabinet with photocell.



THOR GROUNDED Example drawing 6x2 m

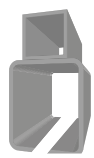


OPTIONS

- ELKA EST 2004 K motor "Without frequency modulator".
- Overclimbing protection – toothed strip on top of the leaf
- Halsang Monitoring system
- Fencing connection on posts
- Induction loop detectors
- Powder coated in RAL paint colors.
- Special infill upon request
- Key switch
- Traffic light
- Illumination of free passage
- Barbed wire / Concertina razor wire
- Others

TECHNICAL DESCRIPTION

Power supply voltage	230V AC, 50 Hz
Power consumption	1,000 W
Current	16 A
Feedback signal	Potential free contact – no/nc
Opening signal	Signal (max. 1 sec)
Operation environment	-40° to +50° C "With the heater on the cabinet"
Opening	5.0 to 6.0 m



	Profile
Lower gate frame	80x60x3 mm
	Welded with
Under beam	120x100x5 mm
Frame	80x60x2
Frame infill, panel	8/6/8
Guide post	200x200x5 mm
End post	150x150x4 mm