

PROTOCOL



Czech

ON THE ASSESSMENT OF PERFORMANCE OF THE PRODUCT

Registration No. 1017 – CPR – 06.947.581, revision No. 1

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC, and in compliance with Commission Delegated Regulation (EU) No 568/2014, this protocol is issued for the construction product:

**Sliding steel gate (gate in fence)
THOR; ODEN; MAGNI**

HALSANG Sp. z o.o.

Targowisko 551, PI-32-015 Klaj, Poland
Company registration No: 121541268

**Place of production:
Stanisławice 255, Targowisko 551, Poland**

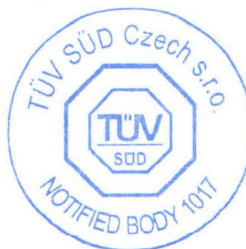
On the basis of testing, calculations, tabulated values and documentation within system 3 according to Annex V 1.4 CPR, TÜV SÜD Czech s.r.o. assessed the relevant characteristics of the product described in Annex ZA of the standard

EN 13241-1:2003+A1:2011

The number of pages of this Protocol inclusive the title-page: 2

Essential characteristics	Performance	Harmonised technical specification
Resistance to wind load	Class 4	EN 13241-1:2003/A1:2012, article 4.4.3
Safety of openings	Pass	EN 13241-1:2003/A1:2012, article 4.2.8
Operating forces	Pass	EN 13241-1:2003/A1:2012, article 4.2.2, article 4.3.3
Leak of dangerous substances	NPD	EN 13241-1:2003/A1:2012, article 4.2.9

Prague, date 23.03.2017



on behalf of Notified Body 1017
Jana Bačinová
Head of Quality Department

1. Equipment specification

Purpose of use:	Gates intended for installation in a fence of objects allowing the movement of vehicles and people in industrial, commercial or residential premises. They can be controlled manually or electrically.
Limitations of use:	It is limited by the parameters of the gates.
Identification of the product:	Label pursuant to EN 13241-1:2003+A1:2011
Technical specifications:	Single or double-wing gates; Overall width of gate wings from 4000 to 38000 mm; Height of gate wings from 1000 to 4500 mm; Weight of gate wings from 140 to 1800 kg
Components:	Motor drives of gates: ELKA, BENINCA; SLEIPNER Safety ledges: BIRCHER, ELKA, BENINCA, SENTIR GF Entry control Infobric: Controlbox 395

2. Material submitted by the manufacturer

- Assembly drawing of gates
- Wind load calculations
- Declarations of conformity from component manufacturers
- Instructions for use

3. Sampling the product

Requirements	Sample
Resistance to wind load	Halsang Thor/Oden 1000x200+30 cm Halsang Magni 1400x200+30 cm
Safety of openings	Halsang Thor/Oden/Magni 10000x2000 mm
Operating forces	Halsang Thor/Oden/Magni 10000x2000 mm



Date of sampling: 13.02.2014, 25.01.2017.

Place of sampling: Targowisko 551, Poland

Sampling made by: Libor Grygerek, Ing. Jakub Orlík, Ing. Ondřej Šustai PhD.

4. Assessment of performance on the basis of tests, calculations, tabulated values, documentation

4.1. Assessment of performance on the basis of tests

Performance	Document	Evaluation
Forces for manual operating	ZZ 0336-2-718 – THOR Protocol No 06.948.324	Operating force < 260 N, complies.
Forces for motor operating	ZZ 0336-2-718 – THOR ZZ 0358-HALSANG_SLEIPNER Protocol No. 06.948.324 and No. 10.651.042	Operating force < 400 N, time of operation of force 150 N < 0.75 s, complies.
Safety of openings	ZZ 0336-2-718 – THOR Protocol No 06.948.324	The travel of the gate wings did not cause a failure of load-bearing elements nor a deformation of the wings. Complies.

4.2. Assessment of performance on the basis of calculations

4.2.1. Resistance to wind loading >1000 Pa, complies with class 4 pursuant to EN 12424:2000

4.3. Assessment of performance on the basis of tabulated values or descriptive documentation

4.3.1. No perform

5. Annex: No annexes.

This certificate is a revision No. 1 of the Certificate No. 06.947.581, issued 03.07.2014.

This language version of the certificate is a translation of a Czech official version No. 1017 – CPR – 06.947.581, revision No. 1 issued on 23.03.2017, which is deemed the only one applicable in the event of legal disputes and was printed on 23.03.2017.