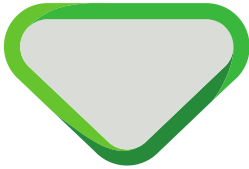


## Report type-examination

Report belonging to type-examination : NL22-400-1002-351-02  
certificate number  
Date of issue of original certificate : 15-08-2022  
Certificate applies to : Component  
Revision number / date : - / -  
Requirements : Standard: EN13374:2013+A1:2018  
Project number : P210499

### 1. General specifications

Description of the product : Shaft barrier system  
Trademark : Stingl  
Type no. : S0/S1  
Name and address of the manufacturer : Stingl GmbH  
Dimbacher Str. 25  
74182 OBERSULM-WILLSBACH,  
Germany  
Laboratory : none  
Address of examined components : Liftinstituut B.V.  
Buikslotermeerplein 381  
1025XE Amsterdam  
Date / Data of examination : February- August 2022  
Examination performed by : E. Bakker



## 2. Description component

Telescopic beams are made to protect lift shaft entrances with a pressing mechanism as builders openings of lift door frames. To be used for unfinished buildings or for modernization and repair work in existing buildings.

For extensive protection of breakthroughs the telescopic beam can be upgraded with an additional closure, suitable in particular for door openings when performing scaffoldless lift installation. The closure foil is fixed by adding two holders to the telescopic beam.

The shaft barrier system consists of a telescopic barrier with an intermediate rail for knee protection and a skirting board for toe protection.

The barrier are two steel tubes which cannot be separated from each other. Each tube has a plate at the end. Every other end consists several drilling holes. A special shaped lock pin is used to lock the tubes together.

For a coarse adjustment, between the walls the tubes are extended.  
To clamp the barrier, one pipe must be turned over until the barrier is fitted tightly between the walls. The special shaped lock pin "L-Bolt" (serves as a safety device and lever arm) can be fixed after alignment of the tube holes.

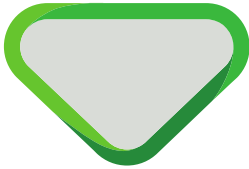
The intermediate and the skirting protecting consist of telescopic plastic duct tubes and must be mounted according to the installation manual.

There are two types S0 and S1 available:

Type	S0	S1
Width maximum (cm)	110	158,5
Width minimum (cm)	70	98,5
Height (cm)	110	110
Diameter tubes (mm)	32 / 38	32 / 38
pipe wall thickness (mm)	3 (inner)/2 (outer)	3 (inner)/2 (outer)
plastic duct outer tube (lxbxh)	700x155x55	1000x156x55
plastic duct inner tube (lxbxh)	700x147x47	1000x149x45
plastic duct tube thickness (mm)	5 (inner)/3 (outer)	5 (inner)/3 (outer)

Table 1 dimensions

Note: The use of wood as skirting board and intermediate rail is also possible. When using wood as a component, at least strength class according to EN338:2016 C16 and sorting class S7 according to DIN 4074-1 "Sorting of softwood and poplar" must be used.



	S0 (700mm bis 1100 mm)		S1 (1000mm bis 1650 mm)	
Gewicht [g]	ca. 9340		ca. 10370	
Bmax [mm]	1100		1585	
Bmin [mm]	700		985	
	Loch1	Loch2	Loch1	Loch2
hmax [mm]	1100	1050	1585	1535
h1	1000	950	1485	1435
h2	900	850	1385	1335
h3	800	750	1285	1235
h4	700	-	1185	1135
h5	-	-	1085	1035
h6	-	-	985	-

### Knie- und Fussselemente aus PVC

S0: ca. 700 mm x 155 mm x 55 mm;

t = ca. 3 mm, ca. 1200 g

ca. 700 mm x 147 mm x 47 mm;

t = ca. 5 mm, ca. 1780 g

S1: ca. 1000 mm x 156 mm x 55 mm;

t = ca. 3 mm, ca. 1630 g

ca. 1000 mm x 149 mm x 45 mm;

t = ca. 5 mm, ca. 2540 g

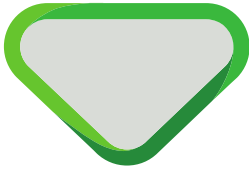
See annex 1 for a general overview of the product.

## 3. Examinations and tests

The examination covered a check whether compliance with this met the harmonized product standards EN 81-13374:2013+A1:2018

The examination included:

- Examination of the technical file (See annex 2):
- Check of performed calculations according to EN 13374:2013+A1:2018
- Examination of the representative model in order to establish conformity with the technical file.
- Inspections and tests to check compliance with the requirements.



## 4. Results

After the final examination the product and the technical file were found in accordance with the requirements. The functional tests passed without remarks. The load tests passed without remarks and did not lead to permanent deformations or loss of stability.

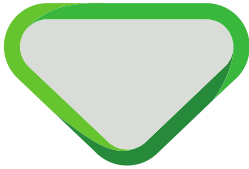
### **4.1 Calculations**

The calculations were found in accordance with the requirements. As far as needed system limits such as balustrade maximum width are given in chapter 2 with respect to the possibility to conduct final inspections on the installed products without the need of performing calculations

## 5. Conditions

Additional to or in deviation of the applicable demands in the considered requirements / standards (see certificate and/or page 1 of this report), the following conditions shall be taken into account:

- Maximum distance between the pillars is 110cm for S0 and 158,5cm for S1
- The walls between which the pillars will be enclosed must be strong enough and of appropriate construction to withstand the forces in all directions that occur after the balustrade has been installed.
- All the requirement of the “Einbauanleitung” must be followed. Without these special requirements the shaft barrier system may not be used.



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## 6. Conclusions

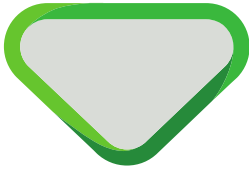
Based upon the results of the type-examination Liftinstituut B.V. issues a type-examination certificate.

The type-examination certificate is only valid for products which are in conformity with the same specifications as the type certified product. The type-examination certificate is issued based on the requirements that are valid at the date of issue. In case of changes of the product specifications, changes in the requirements or changes in the state of the art the certificate holder shall request Liftinstituut B.V. to reconsider the validity of the type-examination certificate.

Prepared by:

E. Bakker  
Product specialist Certification

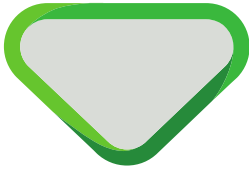
Certification decision by:



## Annexes

### Annex 1 : General overview of the product

Overview placing	Assembly
Placing	Plastic toeboard and knee rail



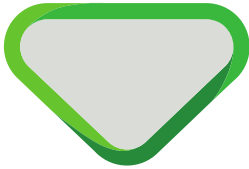
Lock pin



Threaded end for clamping



Markings



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**Annex 2 Documents of the Technical File which were subject of the examination**

Title	Document number	Date
Berechnungen Seitenschutz	Project 5-99 release a.02	03-02-1999
Installation instructions for the Stingl shaft barrier system S0/S1	-	2003
Einbauanleitung für das Stingl Schachtabstrankungssystem S0/S1	-	2008
Einbauanleitung	-	2013
Türspriesssystem zur Absicherung des Aufzugschachts	Stingl Katalog	2021
Telescopic beams to protect lift shaft entrances	Stingl Katalog	2021
Stücklisten_Seitenschutz		02-2022

**Annex 3 Revision of the certificate and its report**

Rev.:	Date	Summary of revision
-	15-08-2022	Original