

# HARDWARE PERFORMANCE SHEET

**Name of sponsor:** Gilgen Door Systems AG  
**Product name:** Hardware Performance Sheet – FD 10  
**File no.:** PHO10093A  
**Date:** 23-01-2020  
**Pages:** 8 **Encl.:** 0  
**Ref:** MKL / CAN

## Client information

Client: Gilgen Door Systems AG  
Address: Freiburgstrasse 34  
CH-3150 Schwarzenburg  
Switzerland

## General principle of the hardware performance sheet

This document is composed in accordance with the European Standard:

- EN 16035:2012

The objective of the hardware performance sheet is to compose a reliable performance verification system for building hardware, needed to permit the door and/or openable window manufacturers the use of alternative hardware components.

A hardware performance sheet together with test evidence can be used as documentation for an Extended Application report, prior to CE-marking.

## Test reports

This Hardware Performance Sheet is based on the following test evidence:

Name of Laboratory	Name of client	File No.	Standard	Issue date
Danish Institute of Fire and Security Technology	Gilgen Door Systems AG	PGA11590C	EN 1634-1: 2014 + A1: 2018	10-01-2020
Danish Institute of Fire and Security Technology	Gilgen Door Systems AG	PGA11590D	EN 1634-1: 2014 + A1: 2018	10-01-2020

# Determination of data for the interchangeability

## Building hardware identification

Position	Declaration	Required product information	Note/additional information <sup>a</sup>
1	Manufacturer	Gilgen Door Systems AG, Freiburgstrasse 34, 3150 Schwarzenburg	See 5.2.1
2	Manufacturer's product reference as shown in fire test evidence	FD 10	See 5.2.2

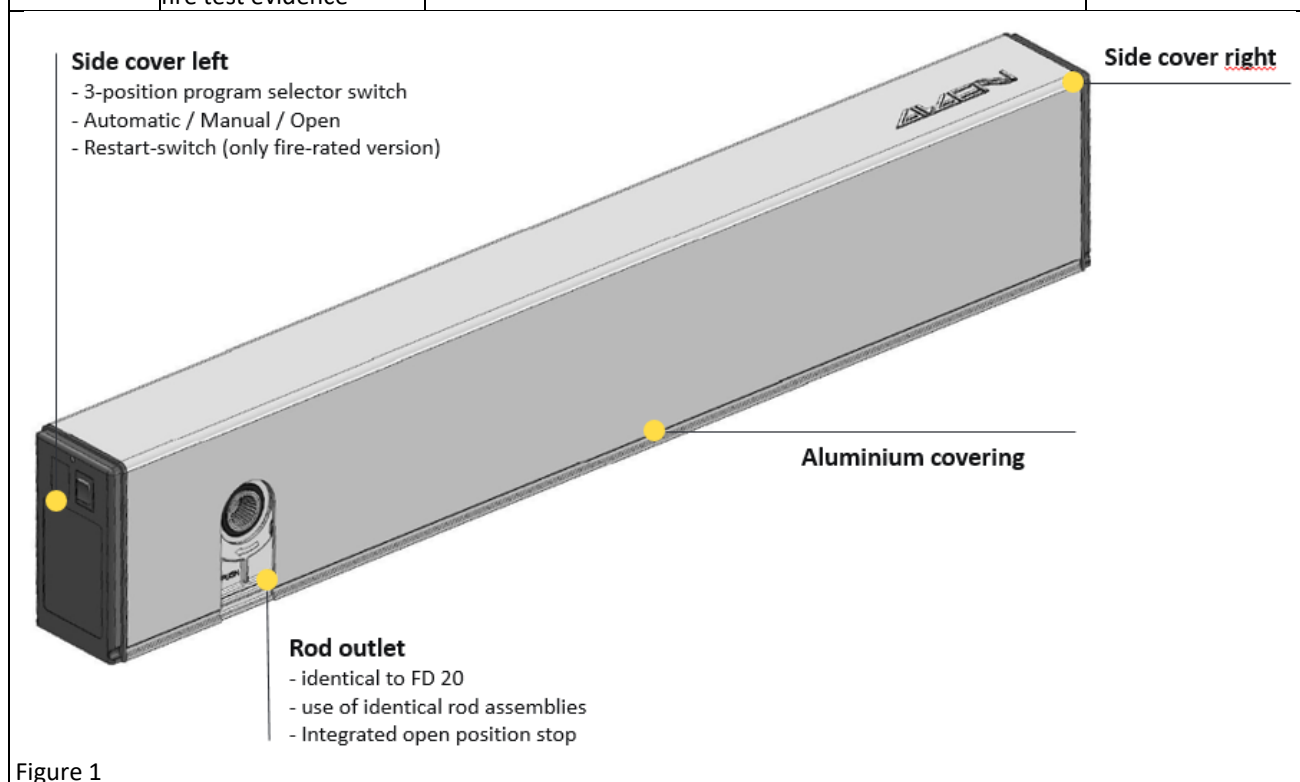
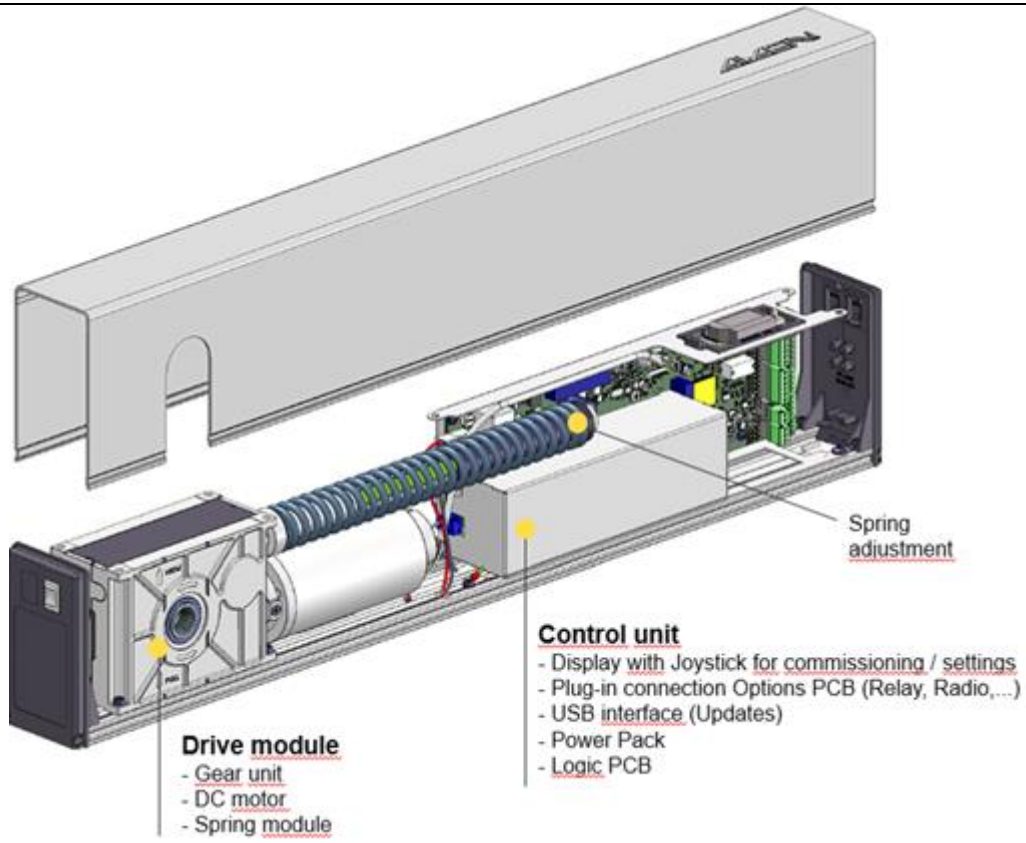
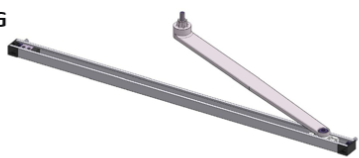


Figure 1

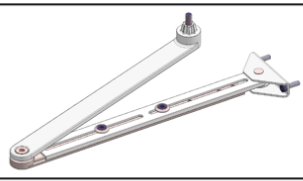


**Sliding rods RG**



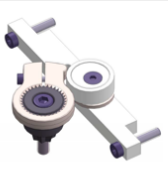
- Integrated open position stop piece in the sliding rail
- Incl. fastening screws
- 45-0548-164

**Standard rods RS**



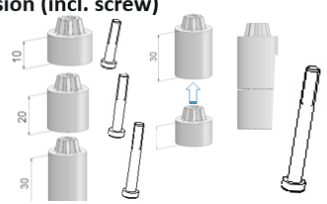
- With fastening screws
- 45-0548-163

**VE Open position stop piece**



- Matching to standard rods RS
- In case an external open position stop piece cannot be installed
- 45-0548-175

**Axle extension (incl. screw)**



- VE Axle extension +10 (45-0548-190)
- VE Axle extension +20 (45-0548-191)
- VE Axle extension +30 (45-0548-192)
- VE Axle extension +40 (45-0548-193)
- VE Axle extension +50 (45-0548-194)

Figure 2

3	Type of building hardware	Automatic swing door operator		See 5.2.3
4	Relevant EN standard	TÜV approved and complies with the pertinent standards (e.g. EN 16005, DIN 18650)		See 5.2.4
5	Classification (in accordance with relevant hardware product standard)	Classification : Grade 1	Characteristic: Suitable for use on fire/smoke door assemblies	See 5.2.5
6	Main dimensions	Height: 70 mm, width: 125 mm, length: 730 mm See Figure 3 below:		See 5.2.6

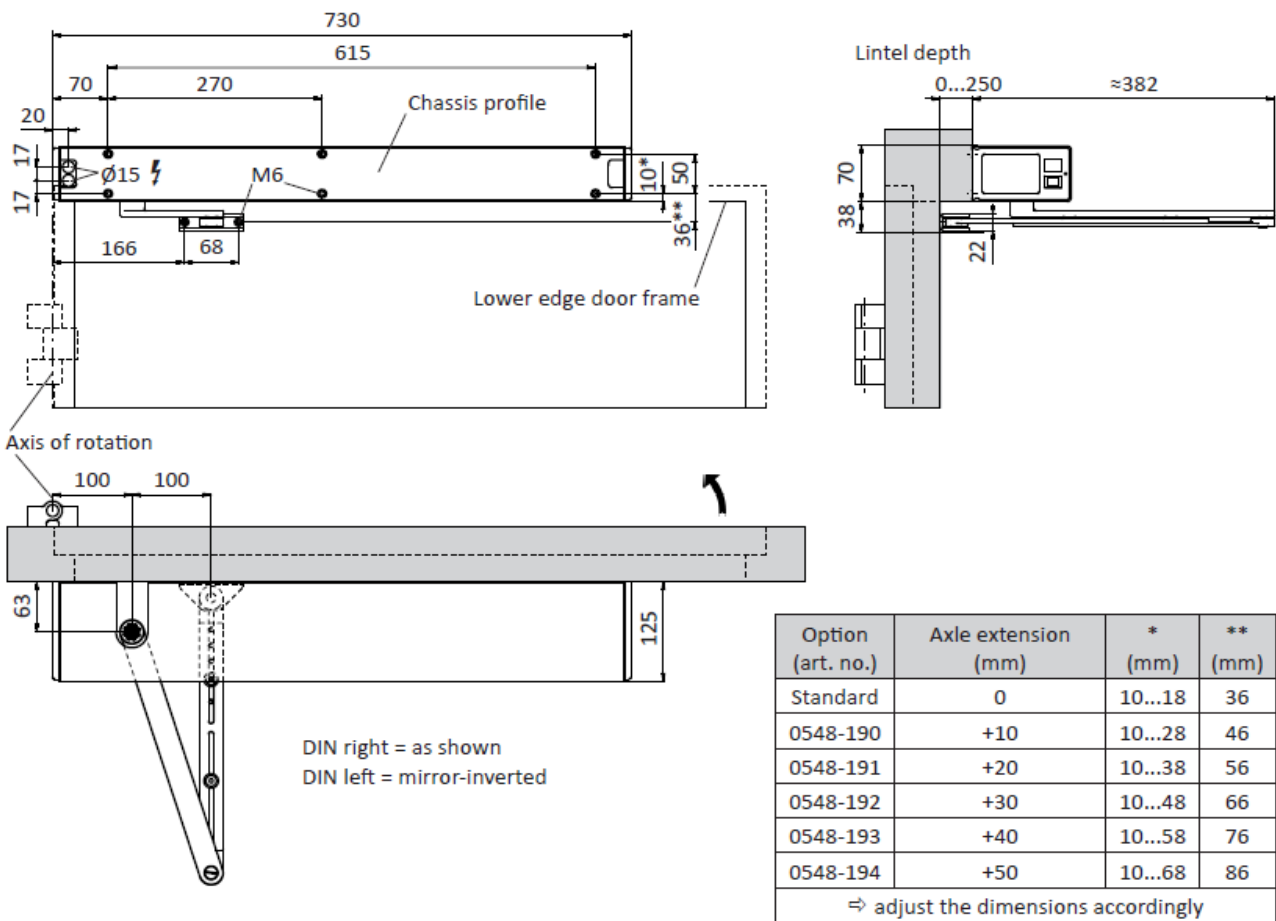


Figure 3

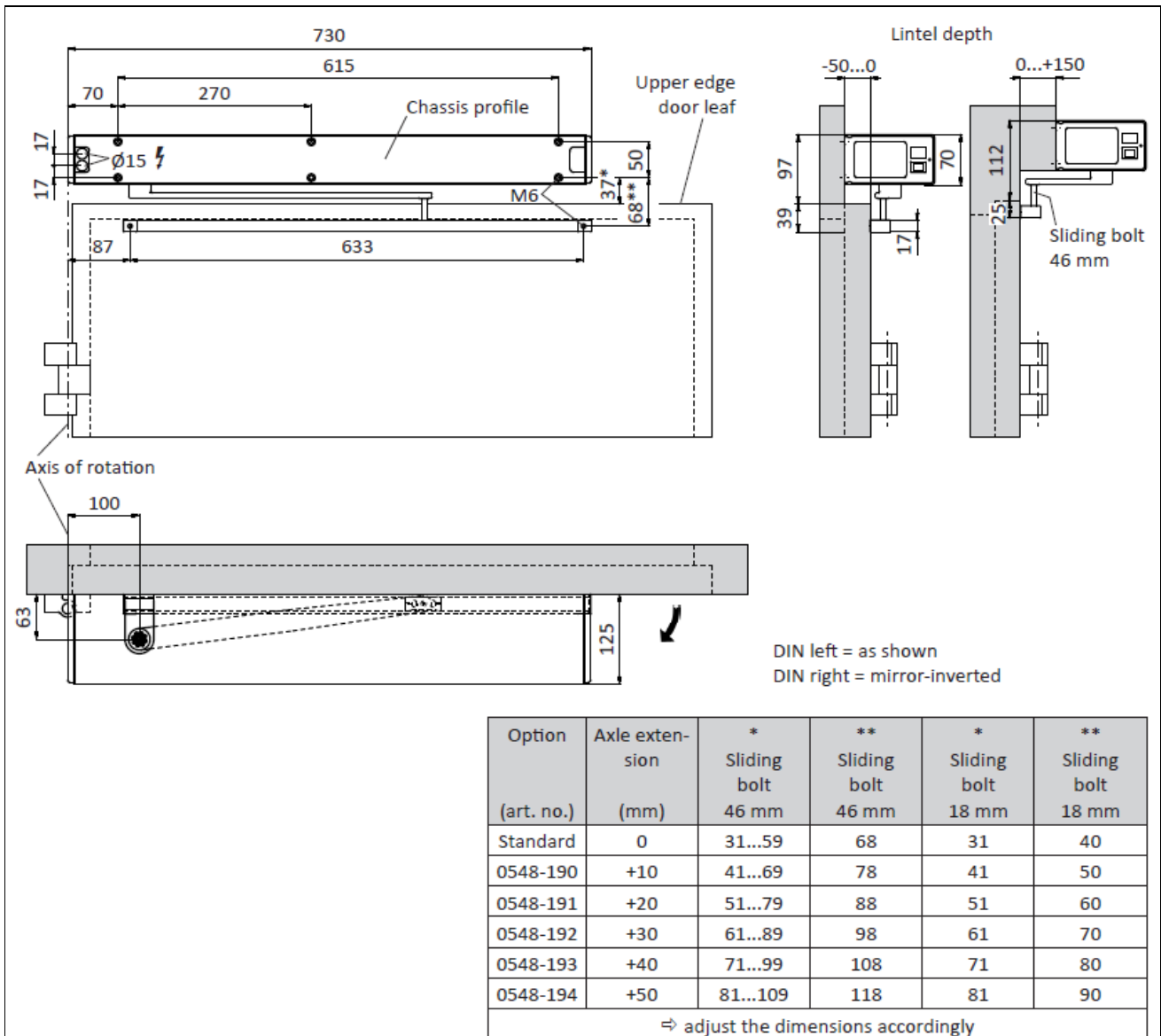


Figure 4

7	Remarks	Door leaf or lintel installation Pushing or pulling function Controlled, spring actuated closure with motor assistance	See 5.2.7
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<sup>a</sup> References to claused in the HPS standard EN 16035:2013

Test evidence used

This hardware performance sheet is only valid for doorset and/or openable windows as described in the table below.

1	Material of doorset and/or openable window	- Steel doorset and/or openable window
		<input checked="" type="checkbox"/> Timber doorset and/or openable window
		- Aluminium doorset and/or openable window
		- Other
2	Mounting of building hardware	<input checked="" type="checkbox"/> Surface mounted, exposed to fire
		<input checked="" type="checkbox"/> Surface mounted, not exposed to fire
		- Mortice mounted, fire on both side

3	Type of doorset and/or openable window	<input checked="" type="checkbox"/> Hinged
		- Pivoted
		- Sliding
		<input checked="" type="checkbox"/> Single leaf doorset
		- Double leaf doorset
		- Primary (active) leaf
		- Secondary (passive) leaf
- Other type		

## Performance level(s)

	Performance	Fire resisting and/or smoke control doorset and/or openable window test evidence	Building hardware test evidence <sup>a</sup>	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method:	<input checked="" type="checkbox"/> EN 1634-1	- EN 1634-2 <sup>b</sup>	- EN 1634-3	- EN 1191 - EN 12605
2	Test report no.:	PGA11590A dated 10-01-2020 PGA11590B dated 10-01-2020			
3	Test report issued by:	Danish Institute of Fire and Security Technology			
4	Classification	EN 13501-2 E: 30 min.		EN 13501-2 - S <sub>a</sub> - S <sub>m</sub>	EN 14600 - C0 (zero) - C1 (50) - C2 (10.000) - C3 (50.000) - C4 (100.000) - C5 (200.000)
5a	Width of primary leaf:	1025 mm			
5b	Width of secondary leaf:	-			
6	Door leaf height:	2145 mm			
7	Door thickness:	80 mm			
8a	Mass of primary leaf:	76.8 kg with ref. to PGA11590A 88.5 kg with ref. to PGA11590B			
8b	Mass of secondary leaf:	-			

9	Restrictions <sup>c</sup> :	-
10	Installation instructions <sup>d</sup> :	See Figure 1, 2, 3 and 4
11	Certification body for relevant hardware:	DBI - The Danish Institute of Fire and Security Technology
12	Prepared by:	DBI - The Danish Institute of Fire and Security Technology
13	Date:	20-01-2020
<p><sup>a</sup> The dimensions shown in this column relate to the associated construction relevant to the particular test.</p> <p><sup>b</sup> Results from a test by EN 1634-2 show information about the hardware. The test specimen of EN 1634-2 does not represent a doorset as defined in EN 16034.</p> <p><sup>c</sup> E.g. limitations of application.</p> <p><sup>d</sup> E.g. reference to the building hardware manufacturer's installation instructions.</p>		

## Remarks

This report has only been printed in a pdf-version. DBI has not issued a hard copy version.

All values mentioned in this report are nominal values, production tolerances are not considered.

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Enclosures: None