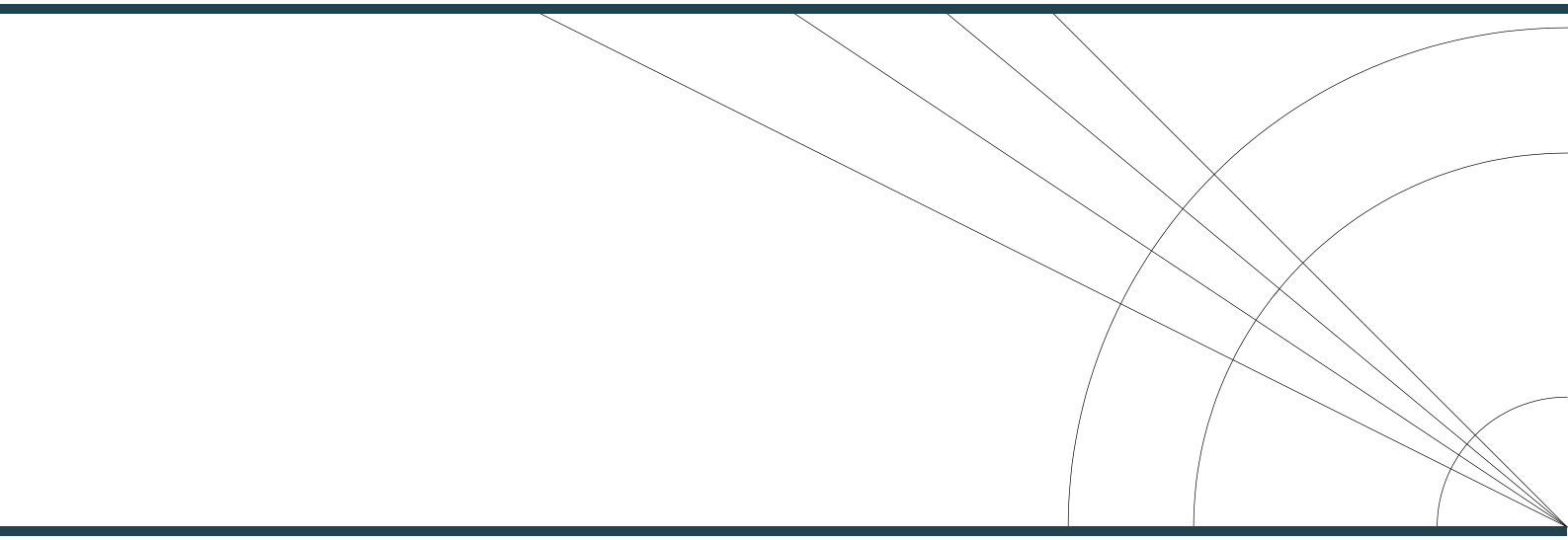
HARDWARE PERFORMANCE SHEET

Name of sponsor:	Abloy Oy		
Product name:	Panic exit device Abloy PE 900, PE 901, PE 902, PE 903, PE 904 and PE 905		
File no.:	PHO10101B	Revision no.:	0
Date:	04-12-2020		
Pages:	7	Encl.:	3
Ref:	MNP / TDJ		



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Client information

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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	Test item
Danish Institute of Fire and Security Technology	Abloy Oy	PGA11640A	EN 1634-1: 2014 + A1: 2018	24-04-2020	Double leaf door opening outwards
Danish Institute of Fire and Security Technology	Abloy Oy	PGA11640B	EN 1634-1: 2014 + A1: 2018	24-04-2020	Double leaf door opening outwards

Determination of data for the interchangeability

Building hardware identification

Position	Declaration	Required product information	Note/additional information [a]
1	Manufacturer	Abloy Oy	See 5.2.1
2	Manufacturer's product reference as shown in fire test evidence	Tested product: PE 904. The product consists of the following subproducts: - Abloy PE 941 (top lock) - Abloy PE 943 (central lock) - Abloy LE 930 (bottom lock) Product family: Mechanically operated products: PE 900. The product consists of the following subproducts: - Abloy LE 931 (top lock) - Abloy LE 943 (central lock) - Abloy LE 930 (bottom lock) PE 901. The product consists of the following subproducts: - Abloy LE 931 (top lock) - Abloy LE 932 (central lock) - Abloy LE 930 (bottom lock) Electromechanically operated products: PE 902. The product consists of the following subproducts: - Abloy LE 931 (top lock) - Abloy PE 943 (central lock) - Abloy LE 930 (bottom lock) PE 903. The product consists of the following subproducts: - Abloy PE 941 (top lock) - Abloy LE 943 (central lock) - Abloy LE 930 (bottom lock) PE 904. The product consists of the following subproducts: - Abloy PE 941 (top lock) - Abloy PE 943 (central lock) - Abloy LE 930 (bottom lock) PE 905. The product consists of the following subproducts: - Abloy LE 931 (top lock) - Abloy PE 932 (central lock) - Abloy LE 930 (bottom lock)	See 5.2.2
3	Type of building hardware	Panic exit device consisting of mechanically and electromechanically operated locks	See 5.2.3
4	Relevant EN standard	EN 14846:2008 and EN 1125:2008.	See 5.2.4
5	Classification)in accordance with relevant hardware product standard)	Classification: F / Characteristics: Suitability for use on fire	See 5.2.5
6	Main dimensions	Central lock: Dimensions (height x depth x width) Lock box: 198.5 x 43 mm x 20 mm Front plate: 283.5 x 3 x 29/25mm	See 5.2.6

		Attached drawing – see enclosures Top lock: Dimensions (height x depth x width) Lock box: 149 x 40.5 mm x 19 mm Front plate: 213 x 3 x 25 mm Latch bolt length: 14 mm Attached drawing – see enclosures	
7	Remarks	The electrically operated lock Abloy PE 943 was tested without any intumescent seal. The electric operable lock Abloy PE 932 is symmetrical to the tested PE 943. LE 943 and LE 932 are identical in size to their PE versions. LE versions do not include clasp plate and MCU pull type solenoid. The electrically operated lock Abloy PE 941 was tested without any intumescent seal. PE 941 and LE 931 are of identical size and construction with the only difference that LE 931 is provided without deadlock microswitch.	See 5.2.7
[a] References to clauses 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
		-	Timber doorset and/or openable window
		-	Aluminium doorset and/or openable window
		X	Metal framed glazed doorset with steel frames
2	Mounting of building hardware	-	Surface mounted, exposed to fire
		-	Surface mounted, not exposed to fire
		X	Mortice mounted[a], fire on both sides
3	Type of doorset and/or openable window	**X**	Hinged
		-	Pivoted
		-	Sliding
		-	Single leaf doorset
		X	Double leaf doorset
		-	Primary (active) leaf
		X	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[a]	Smoke control doorset and/or openable window test evidence	Durability of self-closing
1	Test method:	**X** EN 1634-1	- EN 1634-2[b]	- EN 1634-3	- EN 1191 - EN 12605
2	Test report no.:	PGA11640A PGA11640B			
3	Test report issued by:	Danish Institute of Fire and Security Technology			
4	Classification	EN 13501-2 E: 132 min. EW: 30 min.		EN 13501-2 - S_a - S_m	EN 14600 - C0 (zero) - C1 (500) - C2 (10.000) - C3 (50.000) - C4 (100.000) - C5 (200.000)
5a	Width of primary leaf:	1023 mm	-	-	-
5b	Width of secondary leaf:	1023 mm	-	-	-
6	Door leaf height:	2210 mm	-	-	-
7	Door thickness:	50 mm	-	-	-
8a	Mass of primary leaf:	-	-	-	-
8b	Mass of secondary leaf:	-	-	-	-
9	Restrictions:	-			
10	Installation instructions:	-			
11	Certification body for relevant hardware:	Eurofins Expert Services OY			
12	Prepared by:	DBI - The Danish Institute of Fire and Security Technology			
13	Date:	04-12-2020			

[a] The dimensions shown in this column relate to the associated construction relevant to the particular test.

[b] 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.

[c] E.g. limitations of application.

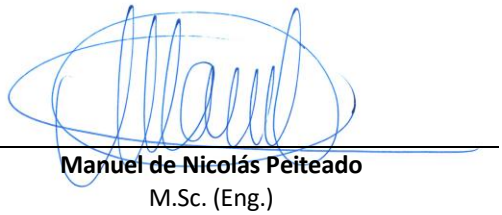
[d] E.g. reference to the building hardware manufacturer's installation instructions.

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.

Danish Institute of Fire and Security Technology



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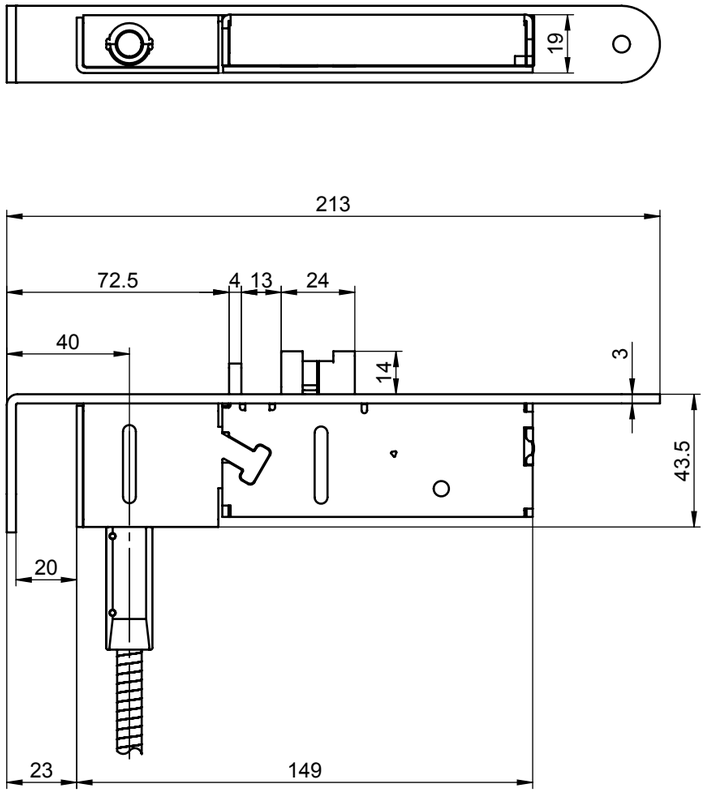

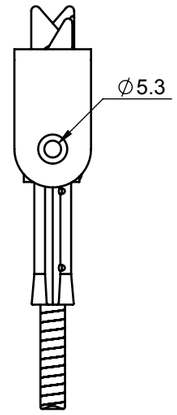

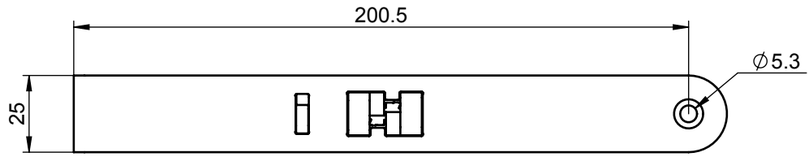

DBI
PHO10101B

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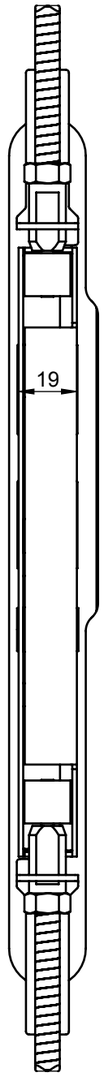

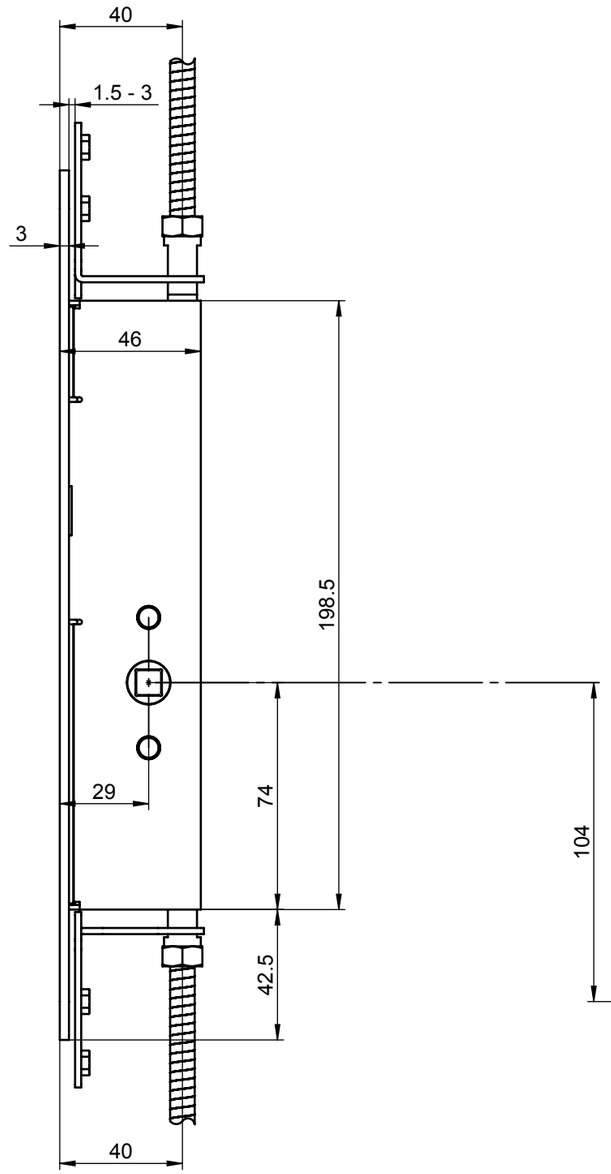

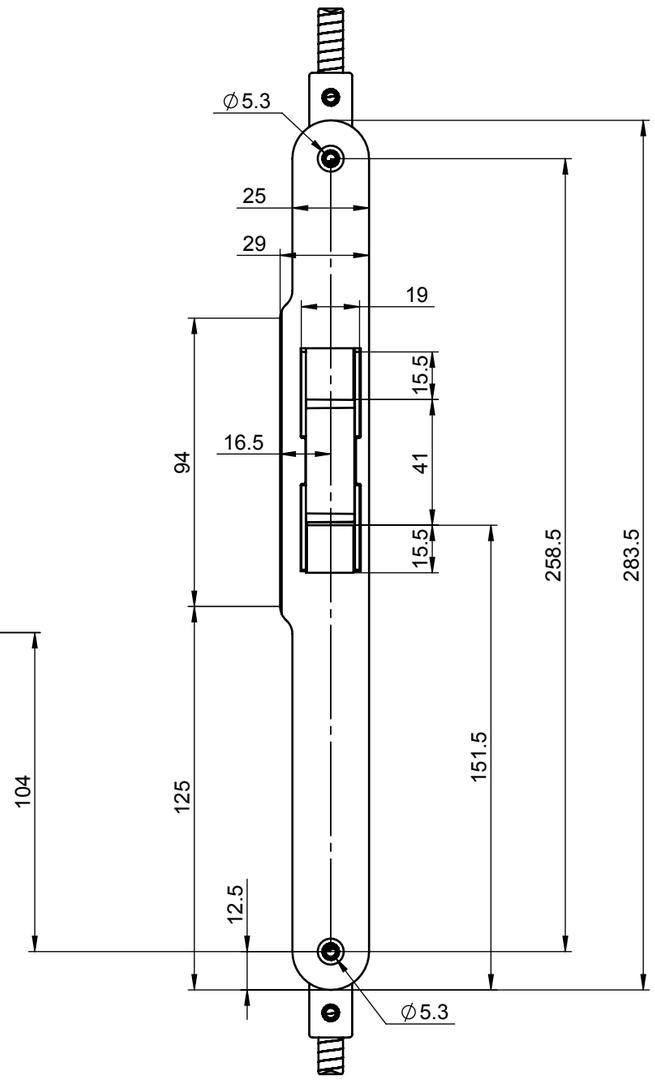

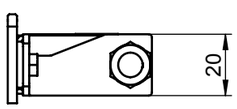

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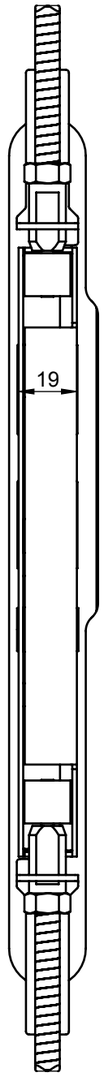

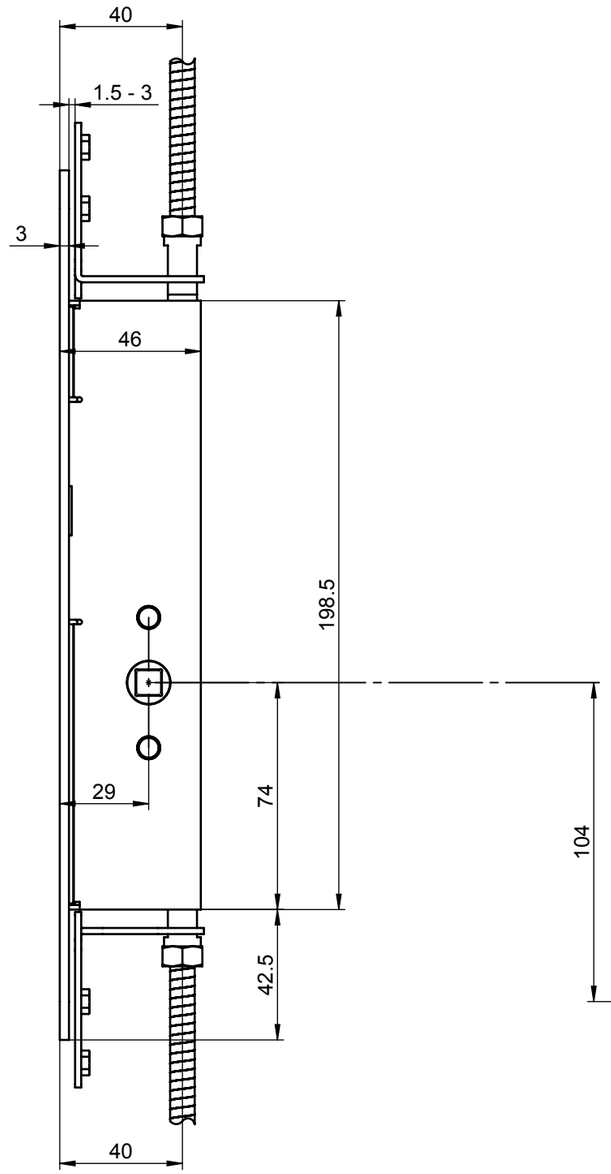

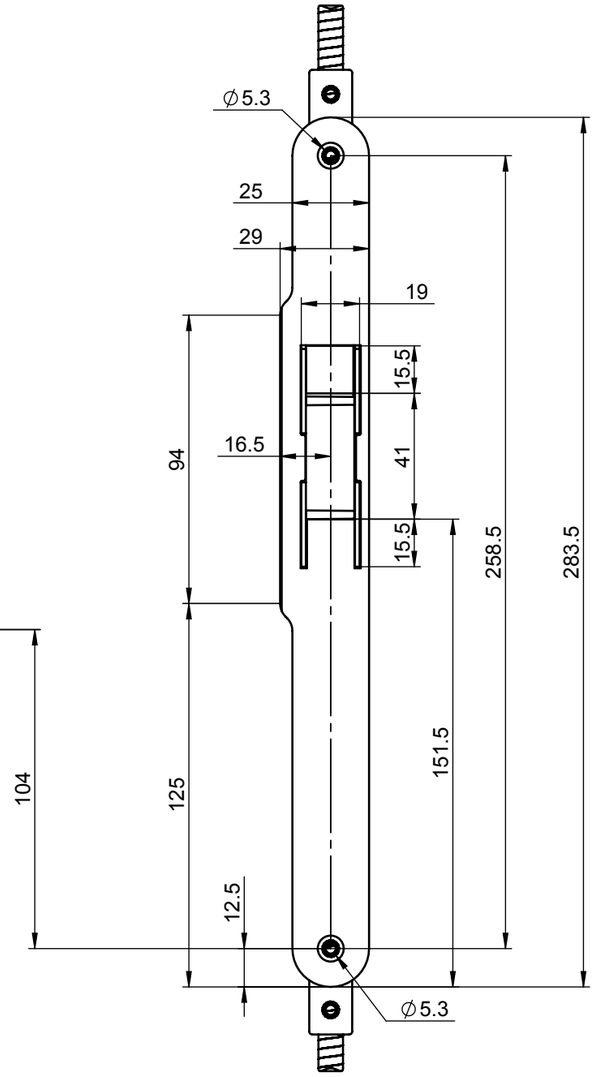

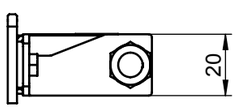

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