

Hardware performance sheet (HPS) – lock cases Connect series

1 General

This document is worked out according to the European Standard:

- EN 16035:2012

The hardware performance sheet (HPS) is an identification and summary of test evidence to facilitate the interchangeability of building hardware for application to fire resisting and/or smoke control doorsets and/or openable windows.

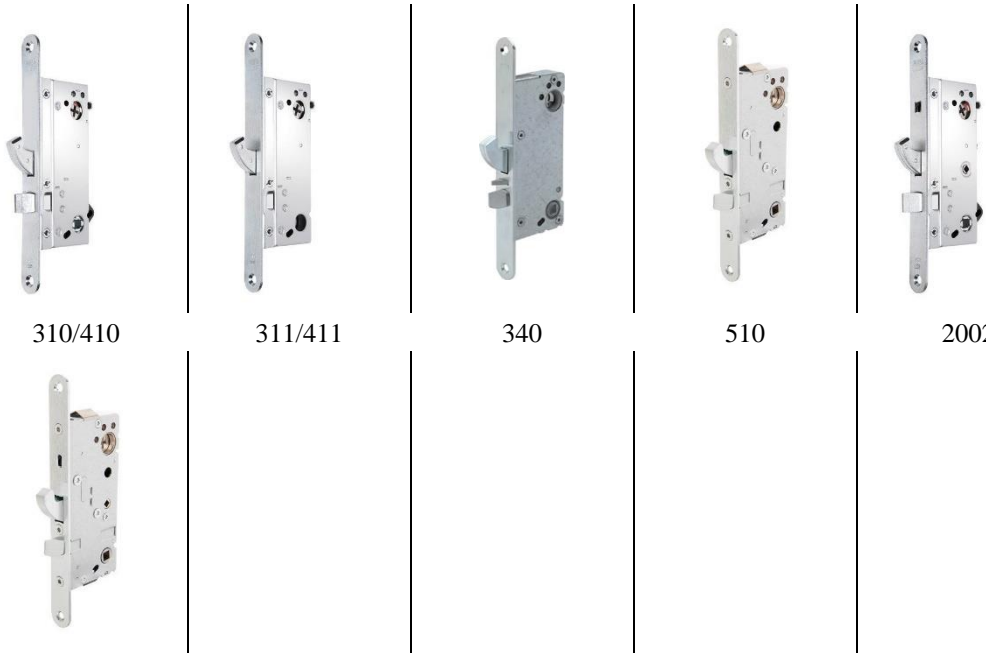
The HPS together with mentioned test reports in Table A.3 shall be a part of the technical documentation delivered to a Notified Body for an Extended application report, prior to CE-marking.














2 HPS

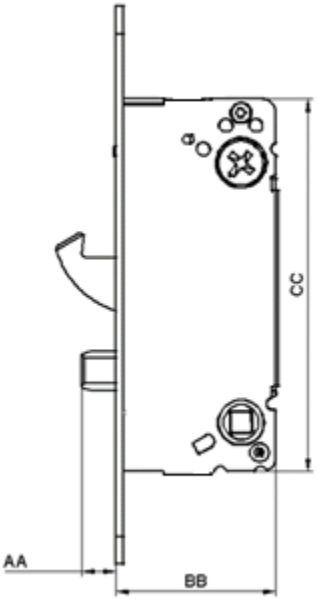
2.1 Building hardware identification

Table A.1 Basic information about the building hardware

Position	Declaration	Required product information	Note/additional information
1	Manufacturer	Assa OEM	See 5.2.1

Position	Declaration	Required product information	Note/additional information
2	Manufacturer's product reference as shown in fire test evidence	Assa Connect series: - Latch deadbolt lock 310-35/-50/-70, 311-35/-50/-70*, 340-35/-50/-70, 410-35/-50/-70, 411-35/-50/-70*, 510-50, 2002-50/-70, 2500-50 - Latch lock 212-35/-50/-70, 220-35/-50/-70, 221-35/-50/-70, 222-35/-50/-70, 223-35/-50/-70, 232-35/-50/-70, 235-35/-50/-70, 236-35/-50/-70, - Split spindle 610-50, 620-35/-50/-70, 621-35/-50/-70, 622-35/-50/-70, 624-35/-50/-70, 636-35/-50/-70, 640-35/-50/-70, - Emergency exit lock 710-35/-50/-70, 711-35/-50/-70, 721-35/-50/-70, 722-35/-50/-70, 727-35/-50/-70, 732-35/-50/-70 - Panic exit lock 761-35/-50/-70, 762-35/-50/-70, 767-35/-50/-70, 772-35/-50/-70	See 5.2.2
<p>Latch deadbolt lock</p>  <p>310/410 311/411 340 510 2002</p> <p>2500</p>			

Position	Declaration	Required product information	Note/additional information
Latch lock			
 212	 22X	 23X	
Split spindle			
 610	 62X	 636	 640
Emergency exit lock			
 710	 711	 72X	 732
Panic exit lock			
 76X	 772		
3	Type of building hardware	Mechanically operated locks	See 5.2.3
4	Relevant EN standard	EN 12209:2003 and EN 12209:2003/AC:2005	See 5.2.4

Position	Declaration	Required product information		Note/additional information
5	Classification (in accordance with relevant hardware product standard)	Classification: Grade 1	Characteristics: Suitability for use on fire/ smoke doors	See 5.2.5
6	Main dimensions	Dimensions: see Figure 1 below.		See 5.2.6
<div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>AA: 12,3 mm for: Assa 2002, Assa 310 and Assa 410 12,8 mm for: Assa 710, Assa 72X, Assa 732, Assa 76X, Assa 772 13,0 mm for: other Assa lock cases</p> <p>BB: 49 mm (-35), 64 mm (-50), 71,7 mm (-50 for Assa 2002, Assa 310 and Assa 410 and 89 mm (-70)</p> <p>CC: 150 mm</p> </div> </div> <p style="text-align: center;">Figure 1</p>				
7	Remarks	*Lock case Assa 311-35/-50/-70, Assa 411-35/-50/-70 and Assa 711-35/-50/-70 have no latch and must be combined with another product, proven by test, to keep the door in closed position.		See 5.2.7

2.2 Test evidence used

Table A.2 information about the test evidence of the building hardware described in Table A.1

1	Material of doorset and/or openable window	<input type="checkbox"/> Steel doorset and/or openable window
		<input type="checkbox"/> Timber doorset and/or openable window
		<input type="checkbox"/> Aluminium doorset and/or openable window
		<input checked="" type="checkbox"/> Glazed steel doorset
2	Mounting of building hardware	<input type="checkbox"/> Surface mounted, exposed to fire
		<input type="checkbox"/> Surface mounted, not exposed to fire
		<input checked="" type="checkbox"/> Mortice mounted, fire on both sides
3	Type of doorset and/or openable window	<input checked="" type="checkbox"/> Hinged
		<input type="checkbox"/> Pivoted
		<input type="checkbox"/> Sliding
		<input checked="" type="checkbox"/> Single leaf doorset
		<input type="checkbox"/> Double leaf doorset
		<input type="checkbox"/> Primary (active) leaf
		<input type="checkbox"/> Secondary (inactive) leaf
<input type="checkbox"/> Other type		

2.3 Performance level(s)

Table A.3

	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	<input checked="" type="checkbox"/> EN 1634-1	<input type="checkbox"/> EN 1634-2 ^b	<input type="checkbox"/> EN 1634-3	<input type="checkbox"/> EN 1191 <input type="checkbox"/> EN 12605
2	Test report no:	PX04672A dated 2010-10-29 (1) PX14104 dated 2011-08-24 (2)			
3	Test report issued by:	SP Technical Research Institute of Sweden (1), (2)			
4	Classification	EN 13501-2: E: 90 (1), (2)		EN 13501-2: <input type="checkbox"/> S _a <input type="checkbox"/> S ₂₀₀	EN 13501-2: <input type="checkbox"/> C0 <input type="checkbox"/> C1 <input type="checkbox"/> C2 <input type="checkbox"/> C3 <input type="checkbox"/> C4 <input type="checkbox"/> C5
5a	Width of primary leaf:	1000 mm (1), (2)			
5b	Width of secondary leaf:	-			
6	Door leaf height:	2130 mm (1), (2)			
7	Door thickness:	50 mm (1), (2)			
8a	Mass of primary leaf:	Not declared (1), (2)			
8b	Mass of secondary leaf:	-			
9	Restrictions ^c : To include all lock cases in Connect series lock cases Assa 2002, Assa 310 or Assa 410 should be tested due to dimensions in Figure 1.				
10	Installation instructions ^d : see Figure 1.				
11	Certification body: RISE Research Institutes of Sweden AB				
12	Prepared by: RISE Research Institutes of Sweden AB				

	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
13	Date: 2018-07-11				

^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.

RISE Research Institutes of Sweden AB
Safety - Fire Research Resistance

Performed by

Examined by

Charlotta Skarin

Patrik Johansson