

EN 16035:2023 Hardware performance sheet

EL520

No: HPS260001-00

Table 1 Building hardware

Line	Feature	Required indication / Properties	Additional information
1.1	HPS No./version	HPS260001-00	
1.2	Date	30.6.2026	
1.3	Prepared by	Abloy Oy	
1.4	Manufacturer	Abloy Oy Wahlforssinkatu 20 80100 JOENSUU FINLAND	
1.5	Type of building hardware	Single point motor lock	
1.6	Product line	EL520 single point motor lock	Strike plate: EA329
1.7	Relevant EN standard	EN 14846:2008	
1.8	Classification / performance	Grade D	Suitable for use on fire door assemblies
1.9	Test evidence used	1	WF report No. 364240 Issue 2, dated 27 th January 2017

Table 2 Test evidence used

Line	Feature	Required indication / Properties	Additional information
2.1	HPS No./version	HPS260001-00	
2.2	No. of test evidence	1	WF report No. 364240 Issue 2, dated 27 th January 2017
2.3	Product version	EL520, backset 100 mm	
2.4	Main dimensions of the specific building hardware	Forend: 235 mm x 24 mm x 3 mm Lockcase: 168.5 mm x 130 mm x 16.5 mm	
2.5	Fixing, building hardware to element	Ø 6 mm, 45 mm long	EA329: Ø 4 mm, 22 mm long
2.6	Settings	Engaged	
2.7	Material of doorset and/or openable window	☐ Steel doorset ☐ Aluminum doorset ☐ Metal framed glazed doorset ☒ Timber ☐ Additional information	Solid graduated density chipboard construction, with 8 mm hardwood lippings to the vertical edges.
2.8	Type and material of the element frame	Type - Material ☐ Steel ☐ Aluminum ☒ Timber	Sapele, hardwood
2.9	Element frame thickness	-	

2.10	Mode of operation	☒ Hinged ☐ Pivoted ☐ Sliding ☒ Single leaf ☐ Double leaf	
2.11	Mounting position building hardware	☐ Surface mounted ☒ Mortise mounted	
2.12	Building hardware is mounted on	☒ Primary (active) leaf ☐ Secondary (inactive) leaf	
2.13	Leaf mass	- kg	
2.14	Leaf width	931 mm	
2.15	Leaf height	2040 mm	
2.16	Leaf thickness	54 mm	
2.17	Thermal separation	-	
2.18	Insulation layer	-	
2.19	Intumescent layer	EL520/100: 2 layers of 1 mm interdens sheet	EA329: 2 layers of 1 mm interdens sheet
2.20	Seals or gaskets	☒ Y ☐ N/A	Pyroplex Ltd, CF 335, 15 mm x 4 mm. Self adhered into grooves within rebate of frame, strips were interrupted at furniture positions.

Table 3 Performance level(s) fire resistance

Line	Feature	Required indication / Properties			Additional information
3.1	HPS No. and test evidence used	HPS260001-00			
3.2	Fire resistance test	☒ EN 1634-1:2014 ☐ EN 1634-2:2008			
3.3	No. Test report	1			WF report No. 364240 Issue 2, dated 27 th January 2017. Test date 11 th May 2016.
3.4	Notified test body	0833			
3.5	Direction of test exposure	☒ Towards the furnace ☒ Away the furnace			
3.6	Precondition test	☐ 25 cycles ☐ 5000 cycles ☒ N/A			
3.7	Classification	☐ EN 13501-2 classification including overrun time E: - min W: - min I ₁ : - min I ₂ : - min ☒ N/A			WF report No. 364240 Integrity performance 68 minutes. Insulation performance 68 minutes.
3.8	Observations during the test related to hardware	Time (min:s)	E/U	Observation E = exposed side, U = unexposed	
		00:00		The test commences	
		2:53	U	Steam/smoke is observed from the head and vertical edges both doorsets.	
		4:00	E	When viewed from the exposed face, both leaves have ignited?	
		7:00	U	Light steam/smoke release is observed from the leading edge around the locksets on both doorsets.	
		20:00	U	Light steam/smoke release continues from the leading edge around the locksets on both doorsets.	
		30:00	U	Light steam/smoke release continues from the leading edge around the locksets on both doorsets.	

		40:00	U	Very light discolouring of the leaf above the handles is observed on both doorsets.
		48:00	U	The discolouring of the leaf above the handles is now spreading round to the side and beginning to very light emit smoke.
		58:00	U	Steam/smoke release increases from the leading edge around the locksets on both doorsets.
		68:00		The test is discontinued at the client's request
		Door A opened towards fire; Door B opened away fire		
3.9	Applicable EXAP Standard	☐ EN 15269-2 Part 2 Fire resistance of hinged and pivoted steel doorsets ☒ EN 15269_3 Part 3 Fire resistance of hinged and pivoted timber doorsets ☐ EN15269-5 2014 A1:2016 Part 5 Hinged and pivoted metal framed glazed doorsets and openable windows ☐ N/A		
3.10	Data confirmed by	Not confirmed by Notified body		

Joensuu 2026-06-30

Signed for and on behalf of Abloy Oy



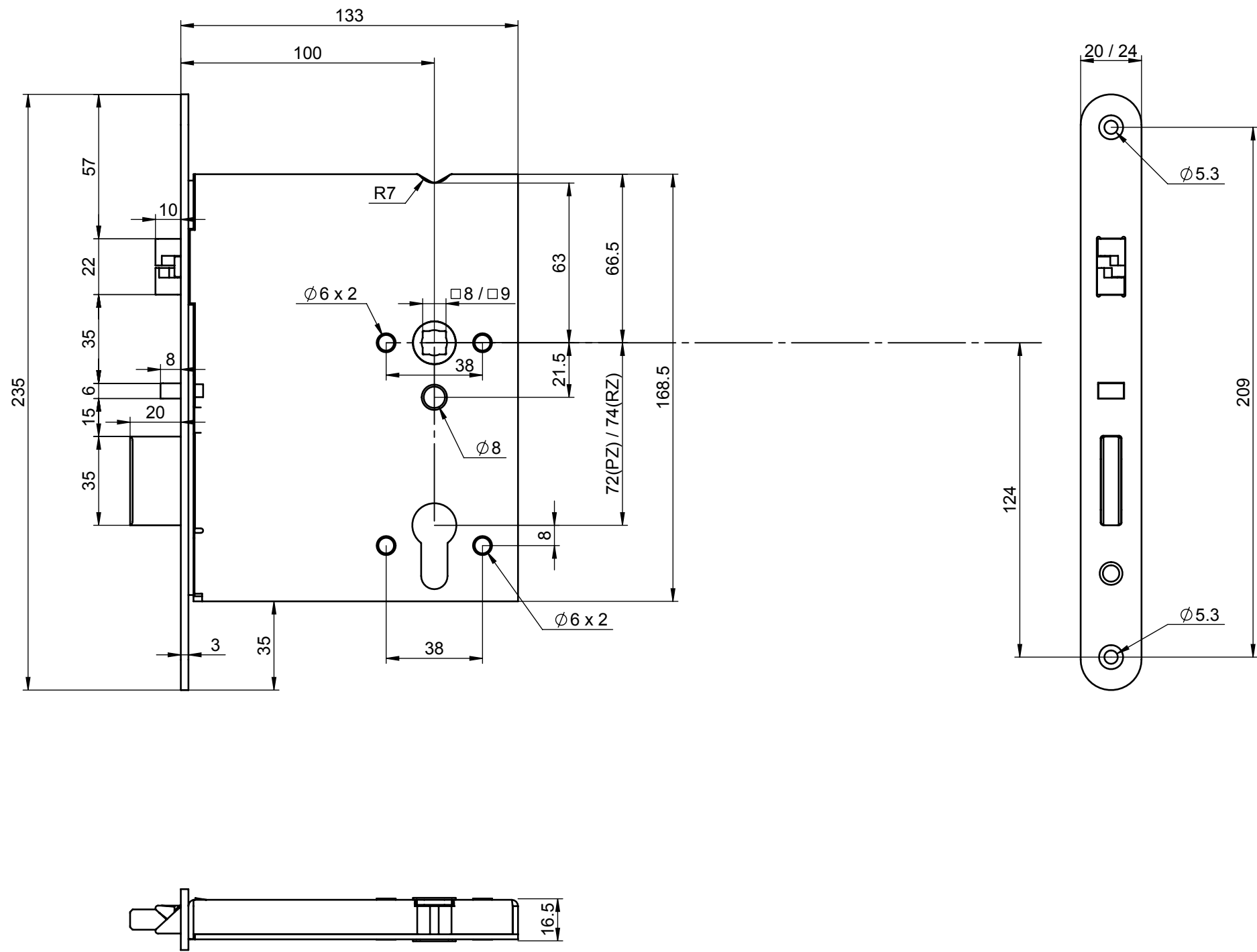
Minna Sallinen
VP & Head of product unit – ELMECH, DAS EMEIA

Joensuu 2026-06-30

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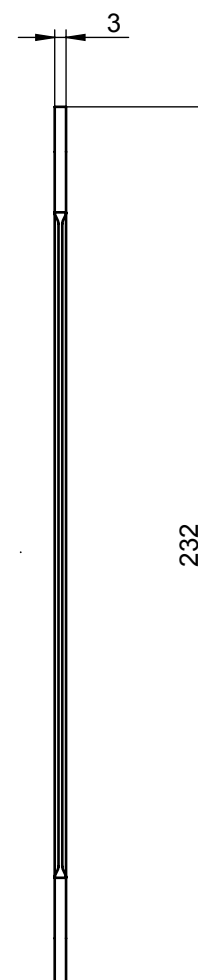
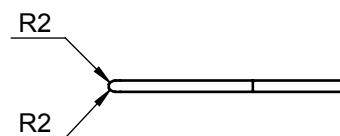
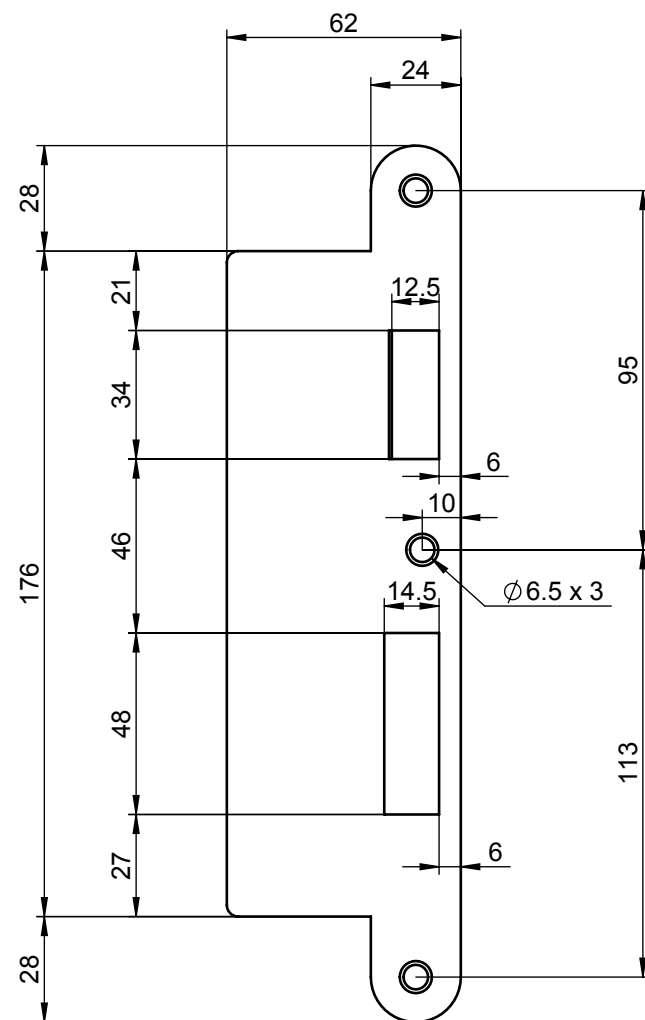


Jari Kervinen
Director and Head of Innovation, Mechanical Core PU Nordic



Surface: 456466			Material:			General tolerance: ISO 2768-mH	
Volume:	Weight:	Surface area:	created: 04.09.2014 JK	designed by:	changed by:	Scale: 1:2 (A3)	Projection:
 Abloy Oy An ASSA ABLOY Group brand			ABLOY EL520 / 100			Alternate ID	
						Document ID	Rev.: 1

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Surface: 456466			Material:			General tolerance: ISO 2768-mH		
Volume:	Weight:	Surface area:	created: 24.03.2015 JK	designed by:	changed by:	Scale: 1:2 (A3)	Projection: 	
 ABLOY® Abloy Oy An ASSA ABLOY Group brand			ABLOY EA329			Alternate ID		
						Document ID		Rev.: 1

Part/assy:

Configuration:EA329

SHEET 1 OF 1