EN 16035:2023 Hardware performance sheet
MP520
No: HPS260000-00

Table 1 Building hardware

Line	Feature	Required indication / Properties	Additional information
1.1	HPS No./version	HPS260000-00	
1.2	Date	16.6.2026	
1.3	Prepared by	Abloy Oy	
1.4	Manufacturer	Abloy Oy Wahlforssinkatu 20 80100 JOENSUU FINLAND	
1.5	Type of building hardware	Multipoint motor lock	
1.6	Product line	MP520 Europrofile multipoint lock	Strike plates: main lockcase EA329, auxiliary locks LP781
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. 364241 Issue 2, dated 27th January 2017

Table 2 Test evidence used

Line	Feature	Required indication / Properties	Additional information
2.1	HPS No./version	HPS260000-00	
2.2	No. of test evidence	1	WF report No. 364241 Issue 2, dated 27th January 2017
2.3	Product version	MP520, backset 100 mm	
2.4	Main dimensions of the specific building hardware	Forend: 2000 mm x 24 mm x 6.5 mm Main lockcase: 168.5 mm x 16.5 mm x 133 mm Auxiliary locks: 123 mm x 14.5 mm x 37.5 mm	U-shape front plate
2.5	Fixing, building hardware to element	Ø 6 mm, 45 mm long	EA329: Ø 4 mm, 22 mm long steel screws LP781:4 pcs Ø 4 mm, 22 mm steel screws.
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	MP520/100: a double layer of 1 mm interdens sheet fitted behind front plate.	LP781: double layer of 1 mm interdens sheet fitted behind front plate. EA329: double layer of 1 mm interdens sheet
2.20	Seals or gaskets	☒ Y ☐N/A	Pyroplex Ltd, CF3 35, 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	HPS260000-00			
3.2	Fire resistance test	☒ EN 1634-1 :2014 ☐ EN 1634-2:2008			
3.3	No. Test report	1			WF report No. 364241 Issue 2, dated 27th January 2017. Test date 11th 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. 364241 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	
		2:00	U	Steam/smoke release is observed form the lead and vertical edges of both doorsets	
		3:45	E	When viewed from the exposed face both leaves have now ignited.	
		10:00	U	Steam/smoke release decreases and is now only visible along the leading edge of doorset B	

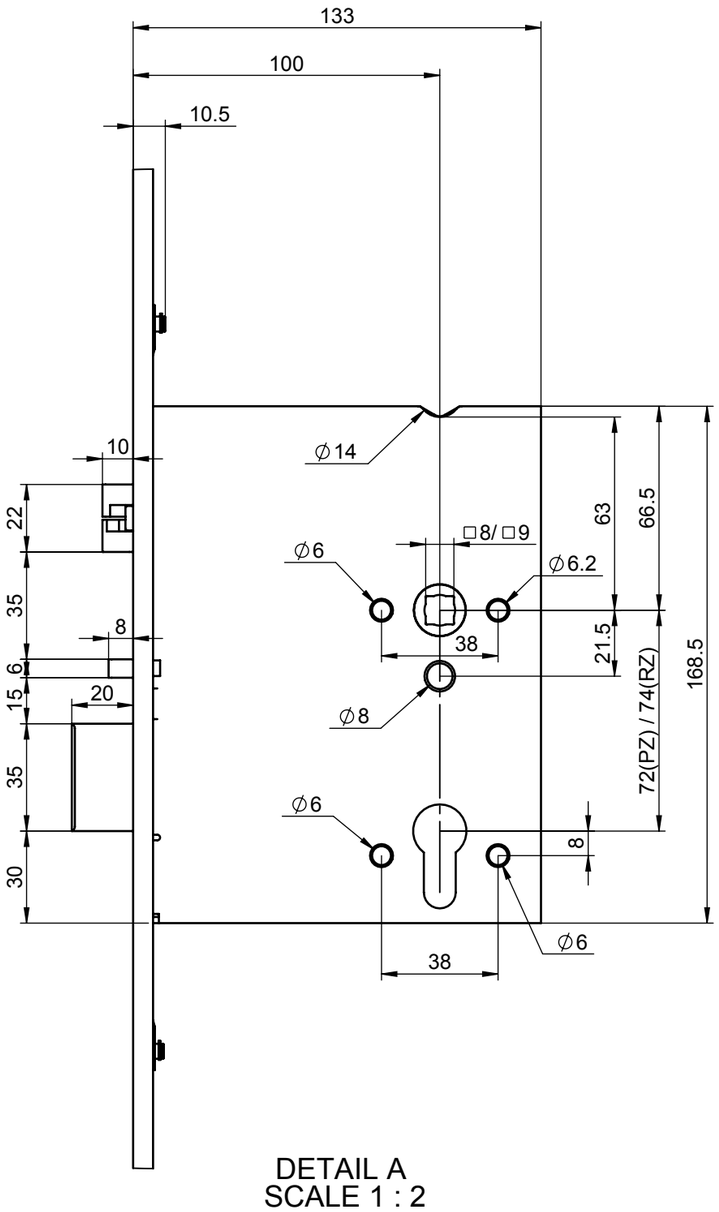
		20:00	U	Steam/smoke release continues from the leading edge around the lockset on doorset B.
		26:30	U	Very light steam/smoke release is now seen around handle set on doorset B.
		30:00	U	Steam/smoke release from leading edge around the lock set on doorset B has stopped as steam/smoke release from the handle increases
		37:00	U	Light steam/smoke is now seen from the handle set on doorset A.
		50:00	U	Steam/smoke release from around the handle sets on both doorset increase.
		65:00	U	A small gap is seen performing at the bottom of the leading edge on doorset B, gap gauge integrity test is performed, gauge passes through to the furnace chamber but can only travel 100 mm.
		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 2026-06-16
Signed for and on behalf of Abloy Oy

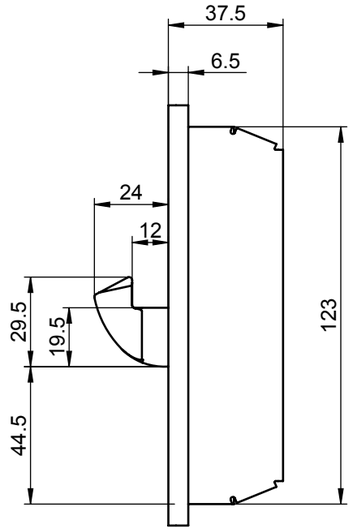
Minna Sallinen
VP & Head of product unit – ELMECH, DAS EMEIA

Joensuu 2026-06-16
Signed for and on behalf of Abloy Oy

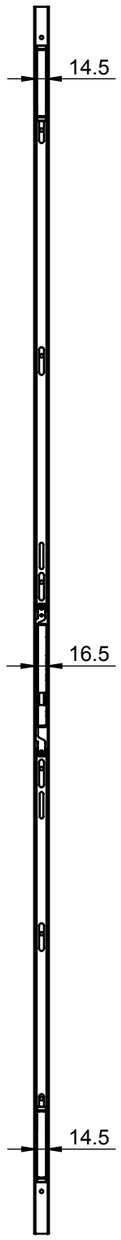
Jari Kervinen
Director and Head of Innovation, Mechanical Core PU Nordic

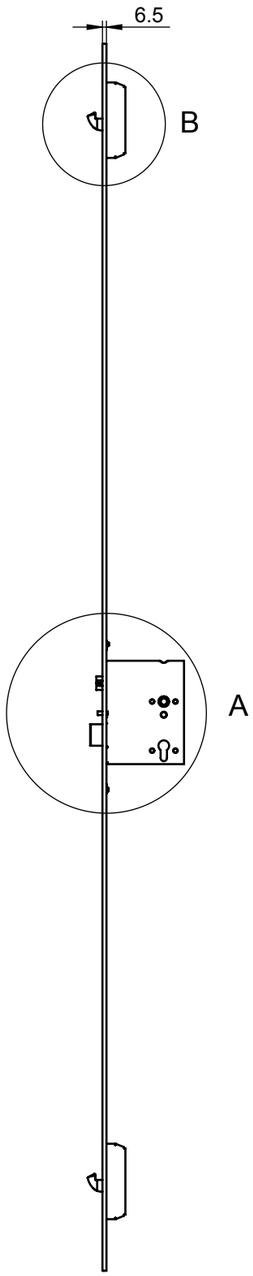


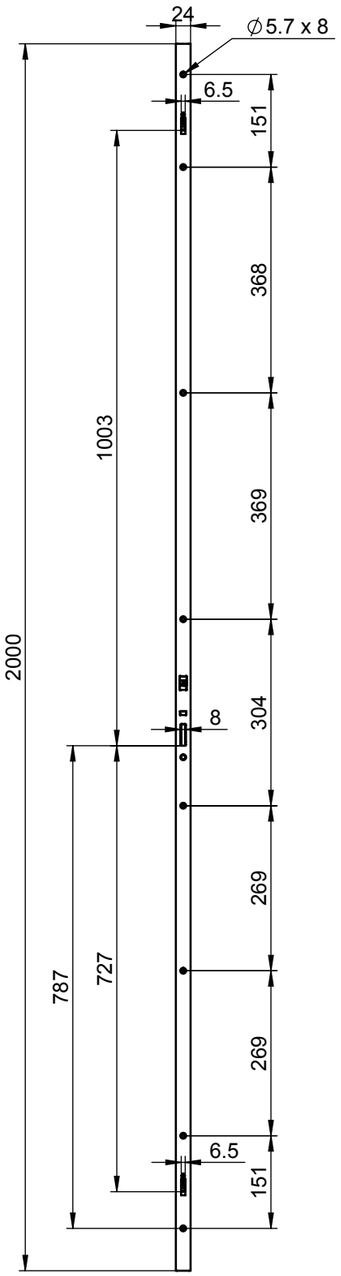
DETAIL A
SCALE 1 : 2



DETAIL B
SCALE 1 : 2







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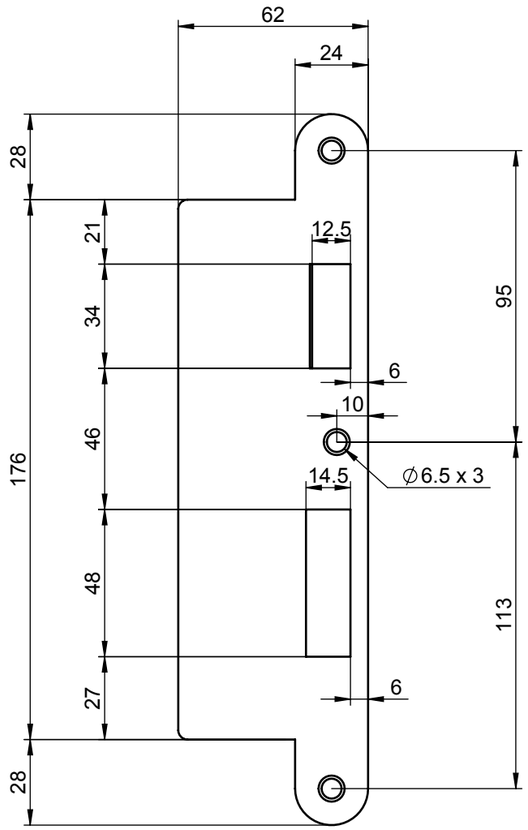
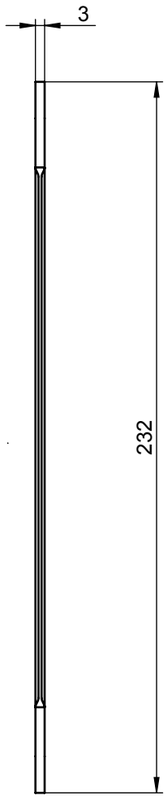
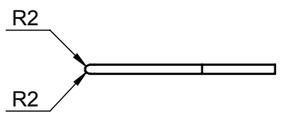
Volume:	Weight:	Surface area:	created: 22.10.2014 JK	designed by:	changed by:	Scale: 1:10 (A3)	Projection:	
Abloy Oy An ASSA ABLOY Group brand			ABLOY MP520 / 100 / 2000			Alternate ID		
						Document ID		Rev.: 1
Part/assy:					Configuration: Default			SHEET 1 OF 1







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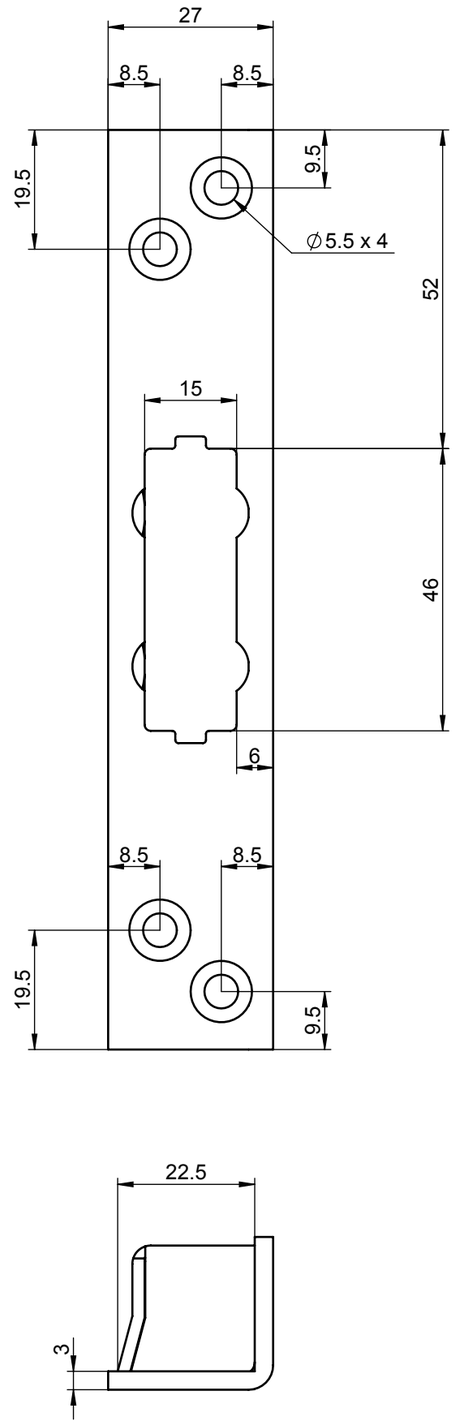
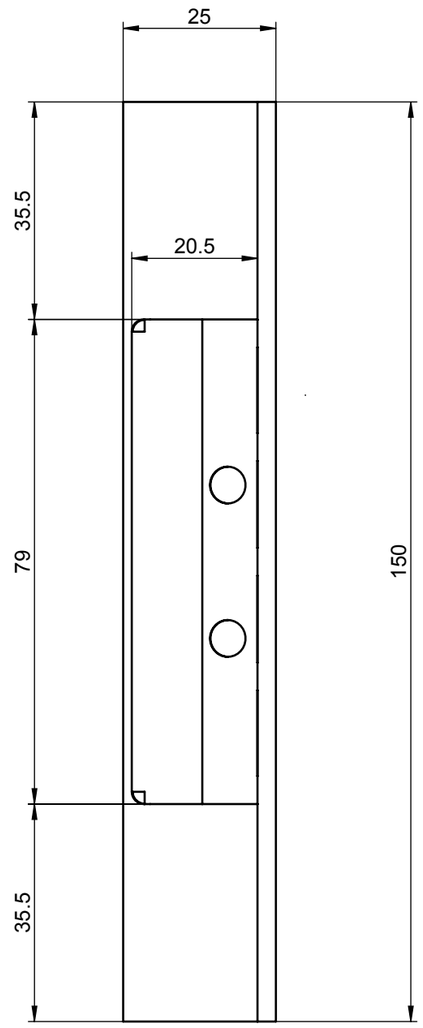
ABLOY® Abloy Oy An ASSA ABLOY Group brand			ABLOY EA329			Alternate ID	
						Document ID	Rev.: 1
Part/assy:				Configuration:EA329		SHEET 1 OF 1	





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Volume:	Weight:	Surface area:	created: 30.03.2015 JK	designed by:	changed by:	Scale: 1:1 (A3)	Projection:
ABLOY® Abloy Oy An ASSA ABLOY Group brand			ABLOY LP781			Alternate ID	
						Document ID	Rev.: 1

Part/assy:

Configuration:Default

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