ASSESSMENT

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O100408-164217-2

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Hardware performance sheet (HPS) – Boyesen & Munthe mechanical cylinders for locks

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.

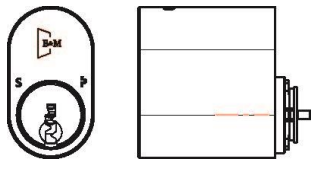
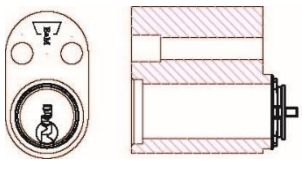
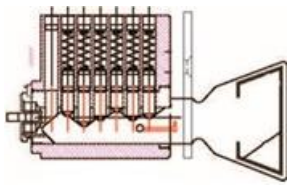
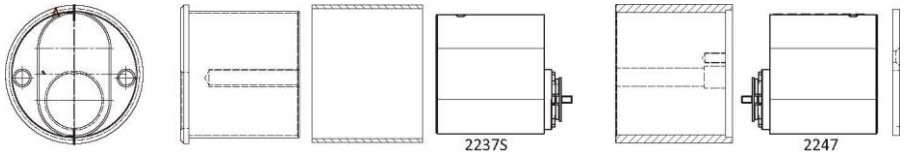
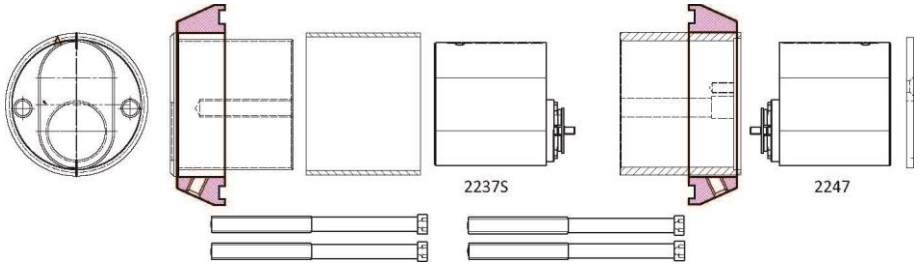
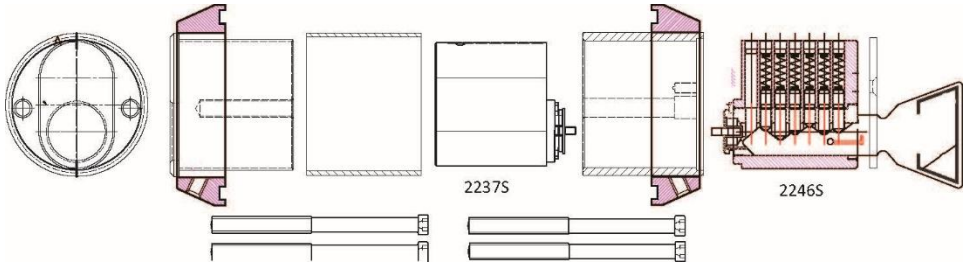
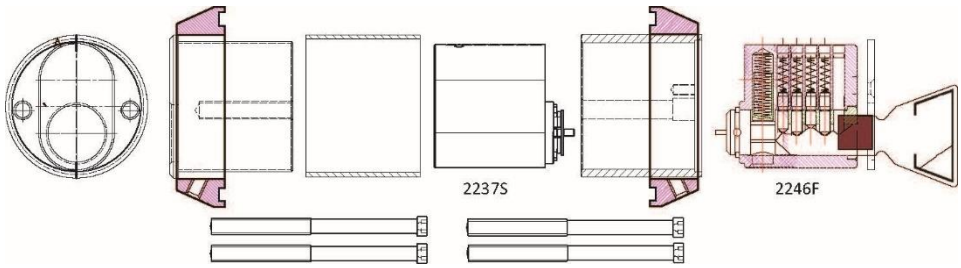
The HPS together with mentioned test reports in Table A.3 shall be a part of the technical documentation delivered to a Notified Body for an Extended application report, prior to CE-marking.

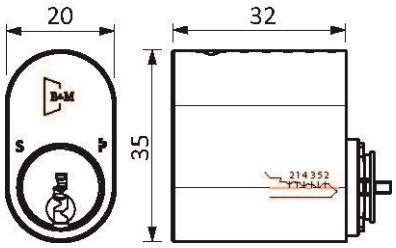
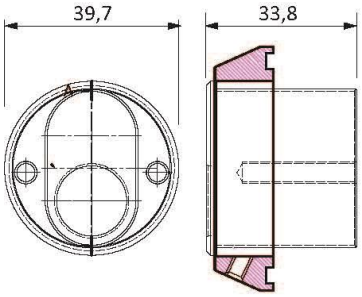
2 HPS

2.1 Building hardware identification

Table 2.1 Basic information about the building hardware

Position	Declaration	Required product information	Note/additional information
1	Manufacturer	Boyesen & Munthe	See 5.2.1
2	Manufacturer´s product reference as shown in fire test evidence	Cylinders: 2237S, 2247, 2246S, 2268CS, 2285CS, 2296S, 2296F	See 5.2.2

Position	Declaration	Required product information		Note/additional information
	 2237S  2247  2246S			
	 2268CS			
	 2285CS			
	 2296S			
	 2296F			
3	Type of building hardware	Cylinders for locks		See 5.2.3
4	Relevant EN standard	EN 1303:2015		See 5.2.4
5	Classification (in accordance with relevant hardware product standard)	Classification: Grade B	Characteristics: Suitability for use on fire/ smoke doors	See 5.2.5

Position	Declaration	Required product information	Note/additional information
6	Main dimensions	See figures below	See 5.2.6
	 Oval cylinders	 Round cylinders	
7	Remarks	Oval cylinder mainly brass Round cylinder housing in steel Cylinder screws M5 in steel	See 5.2.7

2.2 Test evidence

Table 2.2 information about the test evidence of the building hardware described in Table 2.1

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
		☒ Glazed steel doorset
2	**Mounting of building hardware**	☒ Surface mounted, exposed to fire
		☒ Surface mounted, not exposed to fire
		☐ Mortice mounted, fire on both sides
3	**Type of doorset and/or openable window**	☒ Hinged ☐ Pivoted
		☐ Sliding
		☒ Single leaf doorset
		☐ Double leaf doorset
		☐ Primary (active) leaf
		☐ Secondary (inactive) leaf
		☐ Other type

2.3 Performance level(s)

Table 2.3 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:	☒ EN 1634-1	☐ EN 1634-2[b]	☐ EN 1634-3	☐ EN 1191 ☐ EN 12605
2	Test report no:	O100402-126393 dated 2021-03-29			
3	Test report issued by:	RISE Research Institute of Sweden AB			
4	Classification:	EN 13501-2: E: 120 min		EN 13501-2: ☐ S_a> ☐ S_{200}>	EN 13501-2: ☐ C0 ☐ C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5
5a	Width of primary leaf:	980 mm			
5b	Width of secondary leaf:	-			

	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
6	Door leaf height:	2110 mm			
7	Door leaf thickness:	50 mm			
8a	Mass of primary leaf:	-			
8b	Mass of secondary leaf:	-			
9	Restrictions[c]:				
10	Installation instructions[d]:				
11	Certification body: RISE Research Institutes of Sweden AB				
12	Prepared by: RISE Research Institutes of Sweden AB				
13	Date: August 17, 2021				

[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
Department Fire Technology - Fire Resistance Management

Performed by

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