

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-230421-01

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

Product(s): Building hardware - Controlled door closing devices - Requirements and test methods (refer to attached appendix for details and conditions)

Placed on the market under the name or trade mark of: Habo Gruppen AB
Södergatan 2, Box 203, SE-566 24 Habo, Sweden
and produced in the manufacturing plant(s): SG-15595

Intended use: On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors)
This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 1154:1996+A1:2002+AC:2006

Under System 1 for the performances set out in this certificate are applied and that the performance of the construction product fulfils all the prescribed requirements for these performances

This certificate was first issued on **2023-04-05** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body



0905

The issued document and statement(s) herein makes reference only to a presumption of conformity in accordance with the CPR Regulations EU 305/2011 (as amended). However, it is the manufacturer's or their authorised representative's sole responsibility to affix the CE logo and, by doing so, confirms full compliance and conformity to all other European mandatory directives and regulations that may also apply.

Signature:

Date: 2023-04-05

Issue: 01

Name:

116443
Dipl.-Ing. Roland Heine

Position: Certification Manager

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APPENDIX TO: Certificate of Constancy of Performance

Brand: **Habo**
 Model Ref: **300, 400, 500**

Table A1. Model number(s) details for Door Closer range from Habo Gruppen AB

Model No.	Latch control	Backcheck	Delayed closing	Installation	Zero Position
300	Yes	No	No	Standard arm	No
400	Yes	No	No	Standard arm	No
500	Yes	Yes	Yes	Standard arm	No

Table A2. Mechanical test report(s) and product classification for Door Closer from Habo Gruppen AB ^b

Mechanical test reports	Model Tested	Product Classification					
160118113GZU-001-R1	300	4	8	3	1 ^a	1	3
160118113GZU-002-R1	400	4	8	4	1 ^a	1	3
221014021GZU-001	500	4	8	6	1 ^a	1	3
				2			

Table A3. Fire test report(s) for Door Closer from Habo Gruppen AB ^b

Fire test reports	Model tested	Test Method	Fire resistance (Minutes)	
			E-Integrity	I-Insulation
160229006SHF-BP-1	400	EN 1634-1:2014+A1:2018	120	N/A
Model 300 was assessed as having same performance with 400.				
Test configuration: Single leaf single action swing steel fire door Orientation: Open away from the furnace Installation: Standard arm				
221213009SHF-001	500	EN 1634-1:2014+A1:2018	260	N/A
Test configuration: Single leaf single action swing steel fire door Orientation: Open away from the furnace Installation: Standard arm				

Note:

- Digit 4 grade "1" was based on the test result from fire resistance test (refer to Table A3). Door closers with adjustable closing force shall be capable of adjustment at least to Power Size 3.
- The door closer shall be installed in accordance with the installation instructions for the product(s).

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Table A4. Annex ZA Table ZA.1 Clauses for Door Closer for Habo Gruppen AB

Product:	Controlled door closing devices			
Intended Uses:	On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors) - Standard arm installation			
Requirement / characteristic	Requirement clauses in this European Standard	Results		
		300	400	500
Ability to release (for doors on escape routes)	General (5.2.1)	Grade 4 (closing doors from 180° open)		
	Closing moment (5.2.3)	Power size 3	Power size 4	Power size 2 to 6
	Opening moment (5.2.4)	Power size 3	Power size 4	Power size 2 to 6
	Efficiency (5.2.5)	Power size 3: More than 55%	Power size 4: More than 60%	Power size 2: More than 50%, Power size 3: More than 55%, Power size 4: More than 60%, Power size 5 to 6: More than 65%
	Closing time (5.2.6)	Pass		
	Angles of operation (5.2.7)	Grade 4, 180°		
	Overload performance (5.2.8)	Pass		
	Temperature dependence (5.2.9)	Pass (-15°C to +40°C)		
	Fluid leakage (5.2.10)	Pass		
	Damage (5.2.11)	Pass		
	Latch control (5.2.12)	Pass		
	Backcheck (5.2.13)	Not applicable	Not applicable	Pass
	Delayed closing (5.2.14)	Not applicable	Not applicable	Pass
	Adjustable closing force (5.2.15)	Not applicable	Not applicable	Pass
	Zero position (5.2.16)	Not applicable		
	Fire/smoke door suitability (5.2.18), Annex A	Grade 1, Suitable for use on fire/smoke doors (refer to Table A2).		
	Durability (5.2.2)	500,000 test cycles		
	Corrosion resistance (5.2.2 5.2.17.1, 5.2.17.2)	Grade 3, Neutral Salt Spray (NSS) for 96 hours		
	See Clause ZA.3	No dangerous substances declared for this product/ intended use		

END OF DOCUMENT

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