

Certificate of Constancy of Performance

0359-CPR-00364



In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation), this certificate applies to the construction product(s).

Product(s): **Controlled door closing devices**
(refer to attached appendix for details and conditions)

Produced by or for: **J. Neves & Filhos – Comércio e Indústria de Ferragens S.A.**, Rua Mimosas Arm. 849/851, Zona Ind. Mimosas s. Pedro Da Cova, 4424-909 Gondomar, PORTUGAL.

Produced in the manufacturing plant(s): **A019**

Intended use: **On fire and smoke compartmentation doors** (to fulfil the self-closing requirement 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
Building hardware - Controlled door closing devices - Requirements and test methods

Under system 1 are applied and that the product(s) fulfils all the prescribed requirements set out above.

This certificate was first issued on 5th June 2015 under CPR (305/2011/EU) 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 performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.



Notified Body
0359

Intertek Testing & Certification Limited
Cleeve Road, Leatherhead
Surrey, KT22 7SB
Tel: + 44 (0)1372 370900
Fax: +44 (0)1372 370977
E-mail: cpd.uk@intertek.com

www.intertek.com

David Bigland
Certification Manager



Date 5 Jun-15
Issue 1

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Appendix to Certificate of Constancy of Performance 0359-CPR-00364

Model Ref: "JNF" IN.05.204 NHO
Product: Controlled door closing devices, as covered by the scope of this standard
Intended use: On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors)

Table A1. Product Description for door closer from J. Neves & Filhos.

Model No.	Latch Control	Backcheck	Delayed closing	Adjustable closing force	Zero position
"JNF" IN.05.204 NHO	Yes	No	No	No	No

Table A2. Product classification in accordance with EN 1154:1996/A1:2002/AC:2006

D1	D2	D3	D4	D5	D6
3	8	3	1	1	3

Where the Digits (D) are described as follows:

- D1 Category of use
- D2 Durability
- D3 Test door mass
- D4 Suitability for use on fire/smoke compartmentation doors
- D5 Safety
- D6 Corrosion resistance

Notes.

1. The door closers are to be installed in accordance with the installation instructions for the product(s).
2. This certificate of constancy of performance, refers to the requirements for the product(s) described under the CPR. There may be other European Directives, where requirements need to be declared before CE marking can be affixed by the manufacturer or their authorised representative.

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Table A3. EN 1154 Annex ZA Related Information for J. Neves & Filhos, "JNF" IN.05.204 NHO surface mounted door closer

Requirement/characteristic	Standard clause	Result summary				
Self-closing	General (5.2.1)	Grade 3 (closing doors from at least 150° open)				
	Closing moment (5.2.3) - 5 000 test cycles - 500 000 test cycles	Door Closer Power Size 3 (surface mounted)				
		Between 0° and 4°		Between 88° and 92°	Any other angle of opening	
		Nm min.	Nm max.	Nm min.	Nm min.	
		18	< 26	6	4	
	Opening moment (5.2.4) and Efficiency (5.2.5) - 5 000 test cycle - 500 000 test cycles	Door Closer Power Size 3 (surface mounted)				
		Opening moment between 0° and 60°		Efficiency (%)		
		47 Nm max.		More than 55%		
	Closing time (5.2.6) - 5 000 cycles - 500 000 cycles	The closing time from an opening angle of 90° was capable of adjustment to 3 s or less, and 20 s or more				
		After 500 000 test cycles, the closing time set at 5 000 test cycles did not increase by more than 100%, or decrease by more than 30%.				
	Angles of operation (5.2.7)	Grade 3, Closing doors from 150° open				
		Minimum angle of control from 135° to closed position				
	Overload performance (5.2.8)	Power Size 3: 21 kg (10 cycles) completed				
	Temperature dependence (5.2.9) - closing time	Closing time (90° open to fully closed) set at 5 s at 20°C).				
		-15°C		40°C		
		Not less than 3 s or more than 25 s				
	Fluid leakage (5.2.10)	No leakage throughout tests				
	Damage (5.2.11)	No damage observed/reported				
Latch control (5.2.12)	Latch control effective within range of 0° to 15°					
Backcheck (5.2.13) - Arresting angle	Not applicable					
Delayed closing (5.2.14)	Not applicable					
Adjustable closing force (5.2.15)	Not applicable					
Zero position (5.2.18)	Not applicable to single action door closers					

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Requirement/ characteristic	Standard clause	Result summary
	Fire/smoke door suitability (5.2.18)	Grade1, (see Table A5).
Durability of self- closing	Durability (5.2.2)	500,000 test cycles
	Corrosion resistance (5.2.17.1 and 5.2.17.2)	Grade 3, Neutral Salt Spray (NSS) for 96 hours
		No visible corrosion on external surfaces of door closer
		Blistering on external surfaces of door closer, not greater than density 2.
	No single blister greater than size 3 (EN ISO 4628-2)	
Dangerous substances	See Clause ZA.3	No dangerous substances declared for this product/ intended use

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Table A4. Mechanical test reports & product classification for door closer “JNF” IN.05.204 NHO from J. Neves & Filhos..

Test Report	Model tested	Product Classification					
		3	8	3	1 ^a	1	3
141223041GZU-004	“JNF” IN.05.204 NHO	3	8	3	1 ^a	1	3
Notes.							
a. Digit 4 becomes “1” after successful outcome of fire resistance test (refer to Table A5).							

Table A5. Fire test report for door closer “JNF” IN.05.204 NHO from J. Neves & Filhos.

Test Report	Model Tested	Test Method	Fire resistance	
			Integrity (E)	Insulation (I)
141223041GZU-004	“JNF” IN.05.204 NHO	EN 1634-1:2008	40 minutes	40 minutes
Fire Door Test Information				
Door material:	Timber (wooden) door (fully insulated)			
Door configuration:	Single Action Double Doors (SADD)			
Door orientation:	Door tested opening into the furnace			
Door leaf dimensions:	Height (mm)	Width (mm)	Thickness (mm)	
	2062	717	54	
Frame dimensions: (nominal size)	Height (mm)	2100		
	Width (mm)	1500		
Hardware	Door closer	Model “JNF” IN.05.204 NHO (surface mounted)		
	Latch/Lock	Model Number: LG Bedding material: intumescent strip (THERM-A-STRIP, 2mm thick)		
	Hinges	Ball bearing stainless steel butt hinge, Quantity: Three per door leaf Bedding material: intumescent strip (THERM-A-STRIP, 2mm thick)		

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