

## DOP-DIFLUX TRIPLE WALL-055

**1. Unique identification code of the product-type:**

Multi Wall Metal System Chimney  
EN 1856-1:2009

**2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):**

### DIFLUX TRIPLE WALL

1.0 Model 1.4404 / 316L	Ø 130-200	T450 N1 D V2 L50040 G70
2.0 Model 1.4521 / 444	Ø 130-200	T450 N1 D V2 L99040 G70
3.0 Model 1.4301 / 304	Ø 130-200	T450 N1 D Vm L20040 G70

**3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:**

Convey the products of combustion from heating appliances to the outside atmosphere

**4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):**

DINAK S.A.  
Camiño do Laranxo, 19  
36216, Vigo (SPAIN)  
dinak@dinak.com  
tlf: +34 986 452 526

**5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):**

Not applicable

**6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:**

System 2+  
System 4 (for terminals)

**7. Notified factory production control certification body TÜV SÜD Industrie Service GmbH, No.0036, performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control**

**8. Declared performance**

Essential Characteristics	Performance	Harmonized technical specification
Compressive strength Chimney Sections, fittings and supports	Up to 10 m (See annex)	EN 1856-1:2009
Resistance to fire	T450 – G70	EN 1856-1:2009
Gas tightness/leakage	N1	EN 1856-1:2009
Flow resistance of chimney sections, fittings and terminals	According EN 13384-1	EN 1856-1:2009
Thermal resistance	0.316 - 0.337 m <sup>2</sup> K/W tested at 200°C	EN 1856-1:2009
Thermal shock resistance Soot fire resistance	Yes	EN 1856-1:2009

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Thermal performance under normal operating conditions	T450	
<b>Flexural tensile strength (only for means of connection for chimney sections and fittings)</b>	Up to 14 m ( See annex)	EN 1856-1:2009
<b>Non vertical installation</b>	Maximum offset between supports: 1 m at 90° (see annex)	EN 1856-1:2009
<b>Components subject to wind load</b>	Maximum free standing height: 1.5 m above last support (see annex) Maximum spacing between lateral supports: 3 m (see annex)	EN 1856-1:2009
<b>Durability</b>		EN 1856-1:2009
Water and vapour diffusion resistance	Yes	
Condensate penetration resistance	No	
Against corrosion	Model 1.0: V2 Model 2.0: V2 Model 3.0: Vm	
<b>Freeze thaw resistance</b>	Yes	EN 1856-1:2009

**9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.**

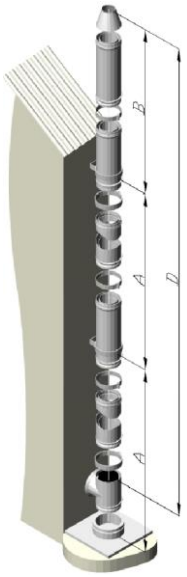
**This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.**

**Signed for and on behalf of the manufacturer by:**

Íñigo A. Canoa (General Manager)

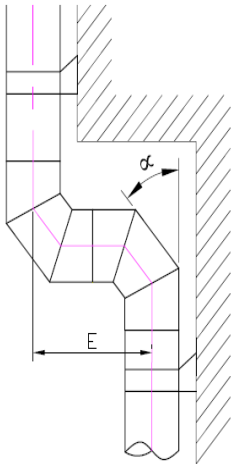
Vigo, 3 January 2018

## DOP-DIFLUX TRIPLE WALL-055



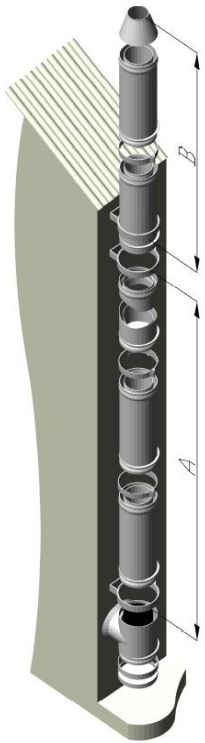
		COMPRESSION STRENGTH*		TENSILE STRENGTH*	
		Height – Size D (m)		Height (m)	
Outer material		1.4301 / 304, 1.4404 / 316L, 1.4521 / 444			
DN (mm)	130/190/240	10		14	
	150/210/260	9		13	
	180/240/300	8		11	
	200/260/310	7		10	

\* In case a higher resistance is required, check with Dinak the possibility of installing a reinforced Tee

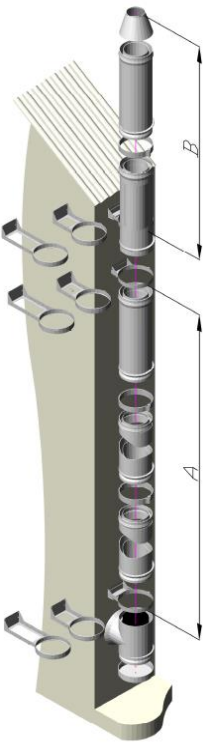


NON VERTICAL INSTALLATION			
		MAX. DEFLECTION $\alpha$ (°)	MAX. LENGTH OF THE SLOPE – Size E (m)
Outer material		1.4301 / 304, 1.4404 / 316L, 1.4521 / 444	
DN (mm)	130/190/240	90	1
	150/210/260	90	1
	180/240/300	90	1
	200/260/310	90	1

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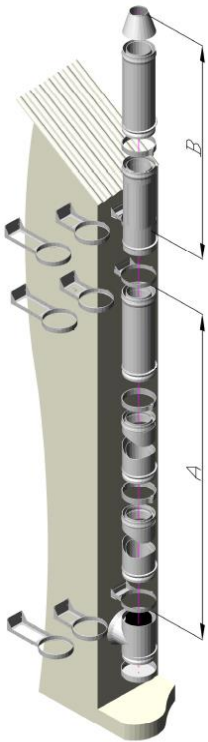


CONFIGURATION 1, FLAT WALL SUPPORT 086		
	Max number of straight elements (020) between supports (Size A)	Max. Length from last support. (m) (Size B)
Outer material	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441
DN (mm)	130/190/ 240	3
	150/210/ 260	3
	180/240/ 300	3
	200/260/ 310	3

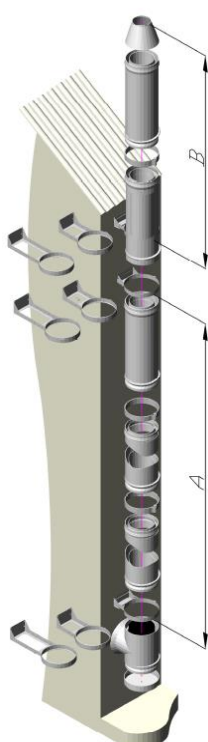


CONFIGURATION 2, ADJUSTABLE WALL SUPPORTS 831/83A		
Distance to wall (831): 70-120 mm Distance to wall (83A): 60-150 mm		
	Max number of straight elements (020) between supports (Size A)	Max. Length from last support. (m) (Size B)
Outer material	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441
DN (mm)	130/190/ 240	3
	150/210/ 260	3
	180/240/ 300	3
	200/260/ 310	3

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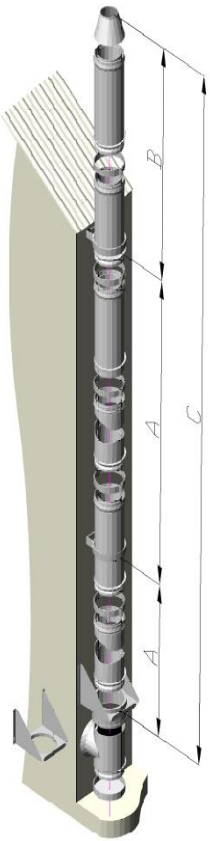


CONFIGURATION 3, FLAT SHORT CUTTABLE WALL SUPPORT 836		
Distance to wall (836): 100-250 mm		
	Max number of straight elements (020) between supports (Size A)	Max. Length from last support. (m) (Size B)
Outer material	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441
DN (mm)	130/190/ 240	3
	150/210/ 260	3
	180/240/ 300	3
	200/260/ 310	3
	130/190/ 240	3



CONFIGURATION 4, FLAT LONG CUTTABLE WALL SUPPORT 846		
Distance to wall (846): 250-430 mm		
	Max number of straight elements (020) between supports (Size A)	Max. Length from last support. (m) (Size B)
Outer material	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441
DN (mm)	130/190/ 240	2
	150/210/ 260	2
	180/240/ 300	2
	200/260/ 310	2

## DOP-DIFLUX TRIPLE WALL-055



		COMPRESSIVE STRENGTH OF THE SUPPORT	
		MAX. LOAD (m)	
Outer material		1.4301 / 304 ; 1.4404 / 316L 1.4521 / 444; 1.4509 / 441	
Model		Floor support 855/85R*	
DN (mm)	130/190/ 240	20	
	150/210/ 260	18	
	180/240/ 300	16	
	200/260/ 310	15	

\* Please check maximum load in the compressive strength table, in case of installing a Tee section on top of our floor support (855/85R)