

DOP-DW PELLETS-041

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):

DINAK DW PELLETS

1.0 Model 1.4404 / 316L	Ø80-100	T200 P1 W V2 L50040 G00
1.1 Model 1.4404/316L	Ø80-100	T450 N1 W V2 L50040 G60

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 21 m See annex	EN 1856-1:2009
Resistance to fire	Model 1.0: T200 – O00 Model 1.1: T450 – G60	EN 1856-1:2009
Gas tightness/leakage	Model 1.0: P1	EN 1856-1:2009

DOP-DW PELLETS-041

	Model 1.1: N1	
Flow resistance of chimney sections, fittings and terminals	According to EN 13384-1	EN 1856-1:2009
Thermal resistance	0.288 - 0.302 m ² K/W tested at 200°C	EN 1856-1:2009
Thermal shock resistance		EN 1856-1:2009
Soot fire resistance	Model 1.0: No Model 1.1: Yes	
Thermal performance under normal operating conditions	Model 1.0: T200 Model 1.1: T450	
Flexural tensile strength (only for means of connection for chimney sections and fittings)	Up to 68 m (see annex)	EN 1856-1:2009
Non vertical installation	Maximum offset between supports: 3 m at 90° (see annex)	EN 1856-1:2009
Components subject to wind load	Maximum free standing height: 3 m above last support (see annex) Maximum spacing between lateral supports: 4 m (see annex)	EN 1856-1:2009
Durability		EN 1856-1:2009
Water and vapour diffusion resistance	Models 1.0 and 1.1: Yes	
Condensate penetration resistance	Models 1.0 and 1.1: Yes	
Against corrosion	Models 1.0 and 1.1: V2	
Freeze thaw resistance	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.

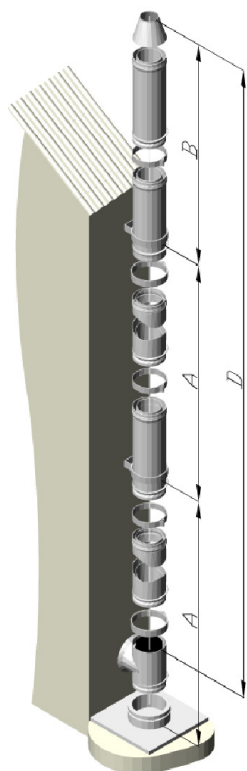
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

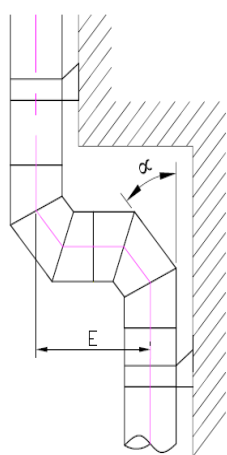
Íñigo A. Canoa (General Manager)

Vigo, 1th July 2013

DOP-DW PELLETS-041



DINAK DW PELLETS							
COMPRESSIVE STRENGTH*				TENSILE STRENGTH			
MAX. LOAD – Size D (m)				MAX. LOAD (m)			
Outer material	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Galvanized steel	Copper	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Galvanized steel	Copper	
ND (mm)	80	21	21	15	68	68	NPD**
	100	18	18	13	58	58	NPD



NON VERTICAL INSTALLATION							
MAX. DEFLECTION α (°)				MAX. LENGTH OF THE SLOPE – Size E (m)			
Outer material	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Galvanized steel	Copper	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Galvanized steel	Copper	
ND (mm)	80	90	90	90	3	3	1
	100	90	90	90	3	3	1

DOP-DW PELLETS-041

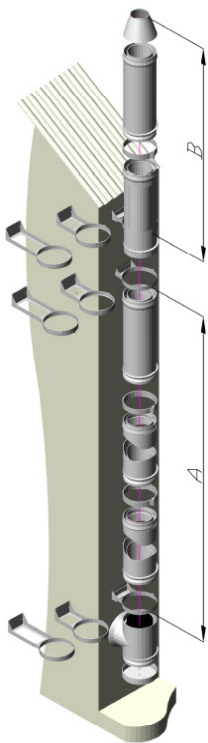
WIND LOAD RESISTANCE						
CONFIGURATION 1: WALL SUPPORTS 080 / KIT 3 M FREE SUPPORTING 86T						
Max number of straight elements (020) between supports (Size A)				Max. Length from last support. (m) (Size B)		
Outer material	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441	Galvanized steel 1.4075 / 430	Copper	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441	Galvanized steel 1.4075 / 430	Copper
ND	80	4		3		
	100	4		3		

CONFIGURATION 2: WALL SUPPORTS 080 / 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	Galvanized steel 1.4075 / 430	Copper	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441	Galvanized steel 1.4075 / 430	Copper
ND	80	4		1,5		
	100	4		1,5		

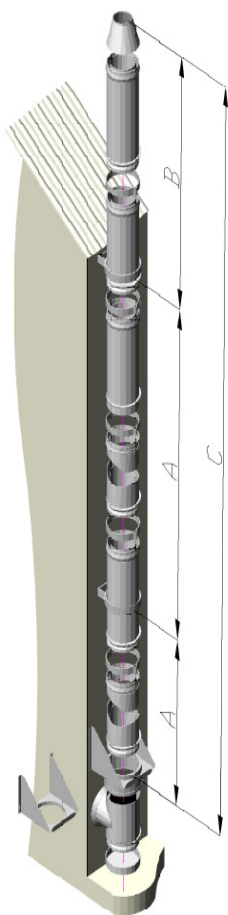
CONFIGURATION 3: ADJUSTABLE WALL SUPPORTS 083 / FLAT ADJ. WALL SUPPORTS 831						
Distance to wall (083/831) : 70-120 mm						
Max number of straight elements (020) between supports (Size A)				Max. Length from last support. (m) (Size B)		
Outer material	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441	Galvanized steel 1.4075 / 430	Copper	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441	Galvanized steel 1.4075 / 430	Copper
ND	80	3		1,5		1,5
	100	3		1,5		1,5

CONFIGURATION 4: SHORT CUTTABLE WALL SUPPORTS 835 / FLAT SHORT CUTTABLE WALL SUPPORTS 836						
Distance to wall (835/836) : 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	Galvanized steel 1.4075 / 430	Copper	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441	Galvanized steel 1.4075 / 430	Copper
ND	80	3		1,5		1,5
	100	3		1,5		1,5

CONFIGURATION 5: LONG CUTTABLE WALL SUPPORTS 845 / FLAT LONG CUTTABLE WALL SUPPORTS 846						
Distance to wall (845/846) : 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	Galvanized steel 1.4075 / 430	Copper	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441	Galvanized steel 1.4075 / 430	Copper
ND	80	2		1,5		1,5
	100	2		1,5		1,5



DOP-DW PELLETS-041



DINAK DW PELLETS						
COMPRESSIVE STRENGTH OF THE SUPPORT*						
MAX. LOAD (m)						
Outer material	1.4301 / 304 ; 1.4404 / 316L 1.4521 / 444; 1.4509 / 441 1.4075 / 430; Galvanized steel					
Model	Adjustable base support closed 085/853 Size (C)	Adjustable base support extended 085/853 Size (C)	Adjustable floor support 856*	Roof support 082	Roof support 082	Joist floor support 903
ND (mm)	80	85	46	44	35	25
	100	73	39	38	30	21
MAX. LOAD (m)						
Outer material	Copper					
Model	Adjustable base support closed 085/853 Size (C)			Adjustable base support extended 085/853 Size (C)		
ND (mm)	80	74		40		
	100	63		34		

*Please check maximum load in the compressive strength table, in case of installing a Tee section on top of our floor support