

## DOP-SW-038

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

Connecting flue pipes  
EN 1856-2:2009

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

#### DINAK SW

1.0 Model 1.4404 / 316L	Ø80-300	T200 P1 W V2 L50040 Oxx NM
1.1 Model 1.4404 / 316L	Ø80-300	T600 N1 D V2 L50040 Gxx NM
2.0 Model 1.4521 / 444	Ø80-300	T200 P1 W V2 L99040 Oxx NM
2.1 Model 1.4521 / 444	Ø80-300	T600 N1 D V2 L99040 Gxx NM
3.0 Model 1.4301 / 304	Ø80-300	T200 P1 W Vm L20040 Oxx NM
3.1 Model 1.4301 / 304	Ø80-300	T600 N1 D Vm L20040 Gxx NM

### 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 chimney

### 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

### 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+

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 72 m (See annex) See annex	EN 1856-2:2009
Flexural tensile strength (only for means of connection for chimney sections and fittings)	Up to 138 m ( see annex)	EN 1856-2:2009
Non vertical installation	Maximum offset between supports: 3 m at 90° (see annex)	EN 1856-2:2009
Resistance to fire	Models 1.0, 2.0 and 3.0:	EN 1856-2:2009

## DOP-SW-038

	T200 – Oxx NM (See Annex) Models 1.1, 2.1 and 3.1 T600 – Gxx NM ( See Annex)	
<b>Gas tightness/leakage</b>	Models 1.0, 2.0 and 3.0: P1 Models 1.1, 2.1 and 3.1: N1	EN 1856-2:2009
<b>Flow resistance of chimney sections, fittings and terminals</b>	According to EN 13384-1	EN 1856-2:2009
<b>Thermal shock resistance</b> Soot fire resistance	Models 1.0, 2.0 and 3.0: No Models 1.1, 2.1 and 3.1: Yes	EN 1856-2:2009
Thermal performance under normal operating conditions	Models 1.0, 2.0 and 3.0: T200 Models 1.1, 2.1 and 3.1: T600	
<b>Durability</b> Water and vapour diffusion resistance	Models 1.0, 2.0 and 3.0: Yes Models 1.1, 2.1 and 3.1: Yes	EN 1856-2:2009
Condensate penetration resistance	Models 1.0, 2.0 and 3.0: Yes Models 1.1, 2.1 and 3.1: No	
Against corrosion	Models 1.0, 1.1, 2.0 and 2.1: V2 Models 3.0 and 3.1: Vm	
<b>Freeze thaw resistance</b>	Yes	EN 1856-2:2009

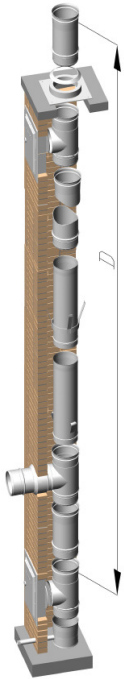
**9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.**

**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:**

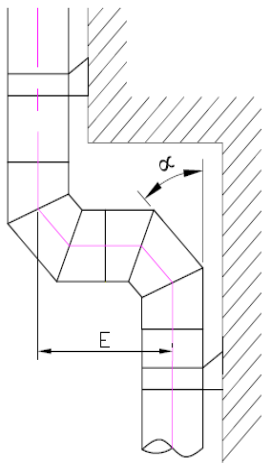
Íñigo A. Canoa (General Manager)

Vigo, 6<sup>th</sup> June 2013

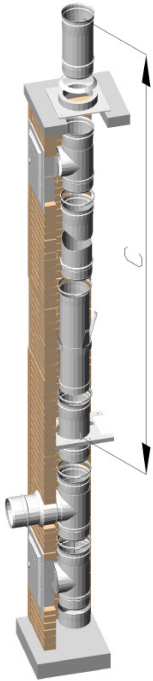


	COMPRESSION STRENGTH*		TENSILE STRENGTH	
	Material	Height – Size D (m)	Material	Height (m)
ND (mm)		1.4301 / 304; 1.4404 / 316L; 1.4521 / 444; 1.4162 / S32101		
	80	72		58
	83	70		56
	97	60		48
	100	58		47
	110	53		42
	111	52		42
	120	48		39
	125	46		37
	130	45		36
	139	42		33
	140	41		33
	150	39		31
	153	38		30
	160	36		29
	167	35		28
	175	33		26
	180	32		26
	200	29		23
	230	25		20
250	23		18	
280	20		16	
300	19		15	

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



NON VERTICAL INSTALLATION				
	Maximum deflection $\alpha$ (°)		Maximum length of the slope – Size E (m)	
	Material	1.4301 / 304; 1.4404 / 316L; 1.4521 / 444; 1.4162 / S32101		
ND (mm)	80	90		3
	83	90		3
	97	90		3
	100	90		3
	110	90		3
	111	90		3
	120	90		3
	125	90		3
	130	90		3
	139	90		3
	140	90		3
	150	90		3
	153	90		3
	160	90		3
	167	90		3
	175	90		3
	180	90		3
	200	90		3
	230	90		3
	250	90		3
280	90		3	
300	90		3	



COMPRESSIVE STRENGTH OF THE SUPPORT					
Height (m)					
Model	Adjustable base support closed 853 Size (C)	Adjustable base support extended 853 Size (C)	Adjustable floor support 856*	Roof Support 082	
80	377	203	197	X	
83	363	195	190		
97	311	167	162		
100	302	162	157		
110	274	147	143		
111	272	146	142		
120	251	135	131		
125	241	130	126		
130	232	125	121		
139	217	117	113		87
140	215	116	112		87
150	201	108	105		81
153	197	106	103		79
160	188	101	98	76	
167	180	97	94	73	
175	172	92	90	69	
180	167	90	87	67	
200	151	81	78	61	
230	131	70	68	53	
250	120	65	63	48	
280	107	58	56	43	
300	100	54	52	40	

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

DISTANCE TO COMBUSTIBLE MATERIALS		
ND	Distance to combustible material (O)	Distance to combustible material (G)
80-125	375 NM	375 NM
130	390 NM	390 NM
139	417 NM	417 NM
140	420 NM	420 NM
150	450 NM	450 NM
153	459 NM	459 NM
160	480 NM	480 NM
167	501 NM	501 NM
175	525 NM	525 NM
180	540 NM	540 NM
200	600 NM	600 NM
230	690 NM	690 NM
250	750 NM	750 NM
280	840 NM	840 NM
300	900 NM	900 NM