

DOP-DW-062

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 DW

1.0 Model 1.4404 / 316L	Ø 80-600	T600 N1 D V2 L50040 G100 M
1.1 Model 1.4404 / 316L with seal	Ø 80-600	T200 P1 W V2 L50040 O00 M
2.0 Model 1.4521 / 444	Ø 80-600	T600 N1 D V2 L99040 G100 M
2.1 Model 1.4521 / 444 with seal	Ø 80-600	T200 P1 W V2 L99040 O00 M

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+

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) See annex	EN 1856-2:2009
Flexural tensile strength (only for means of connection for chimney sections and fittings)	Up to 68 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 and 2.0: T600 – G100 (See Annex) Models 1.1 and 2.1: T200 – O00 (See Annex)	EN 1856-2:2009
Gas tightness/leakage	Models 1.0 and 2.0: N1 Models 1.1 and 2.1: P1	EN 1856-2:2009

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Flow resistance of chimney sections, fittings and terminals	According to EN 13384-1	EN 1856-2:2009
Thermal resistance	Ø80-300: 0.286 - 0.351 m ² K/W tested at 200°C Ø350-600: 0.360 - 0.372 m ² K/W tested at 200°C	EN 1856-2:2009
Thermal shock resistance Soot fire resistance	Models 1.0 and 2.0: Yes Models 1.1 and 2.1: No	EN 1856-2:2009
Thermal performance under normal operating conditions	Models 1.0 and 2.0: T600 Models 1.1 and 2.1: T200	
Durability Water and vapour diffusion resistance	Yes	EN 1856-2:2009
Condensate penetration resistance	Models 1.0 and 2.0: No Models 1.1 and 2.1: Yes	
Against corrosion	V2	
Freeze thaw resistance	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.

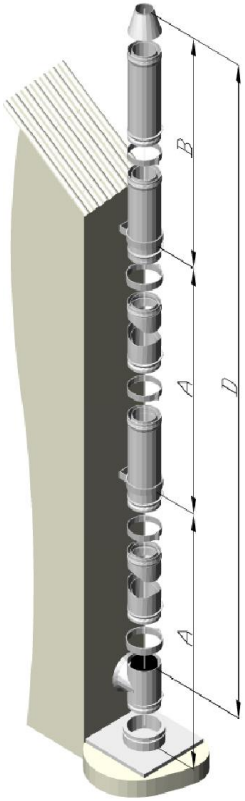
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Íñigo A. Canoa (General Manager)

Vigo, 15th March 2023

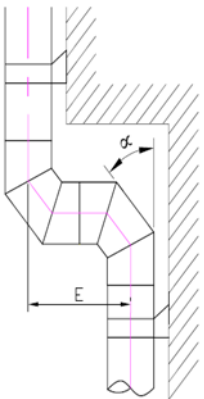
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DINAK DW						
COMPRESSIVE STRENGTH*				TENSILE STRENGTH		
Height – Size D (m)				Height (m)		
Outer material	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Galvanized steel	Copper	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Galvanized steel	Copper
80	21	21	15	68	68	PND**
100	18	18	13	58	58	PND
130	15	15	10	48	48	PND
150	13	13	9	43	43	PND
160	13	13	9	41	41	PND
180	11	11	8	37	37	PND
200	10	10	7	34	34	PND
250	9	9	6	28	28	PND
300	7	7	5	24	24	PND
350	8	8	8	19	19	PND
400	7	7	7	17	17	PND
450	6	6	6	15	15	PND
500	5	5	5	13	13	PND
550	5	5	5	12	12	PND
600	4	4	5	11	11	PND

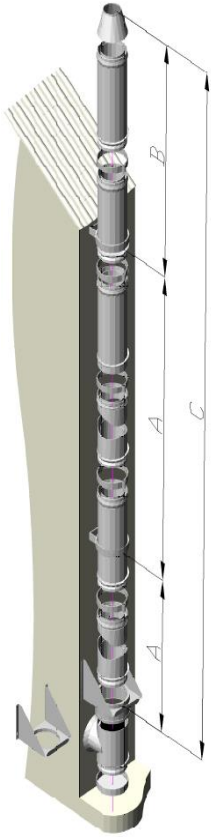
* In case a higher resistance is required, check with Dinak the possibility of installing a reinforced Tee

** NPD: No performance determined



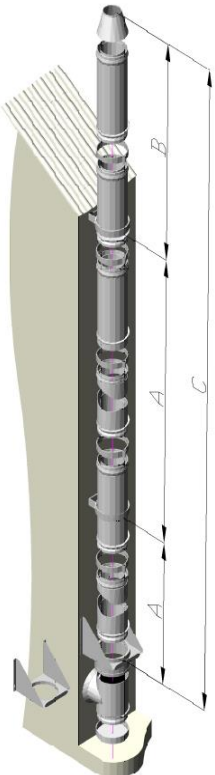
NON VERTICAL INSTALLATION						
MAX. DEFLECTION α (°)				MAX. LENGTH OF THE SLOPE – Size E (m)		
Outer material	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Galvanized steel	Copper	1.4301 / 304 1.4404 / 316L 1.4521 / 444 1.4509 / 441 1.4075 / 430	Galvanized steel	Copper
80	90	90	90	3	3	1
100	90	90	90	3	3	1
130	90	90	90	3	3	1
150	90	90	90	3	3	1
160	90	90	90	3	3	1
180	90	90	90	3	3	1
200	90	90	90	3	3	1
250	90	90	90	3	3	1
300	90	90	90	3	3	1
350	90	90	90	3	3	1
400	90	90	90	3	3	1
450	90	90	90	3	3	1
500	90	90	90	3	3	1
550	90	90	90	3	3	1
600	90	90	90	3	3	1

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DINAK DW							
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 Galvanized	Joist floor support 903	
ND (mm)	80	85	46	44	35	25	42
	100	73	39	38	30	21	36
	130	60	32	31	24	18	29
	150	53	29	28	22	16	26
	160	51	27	26	21	15	25
	180	46	25	24	19	13	22
	200	42	22	22	17	12	21
	250	35	19	18	14	10	17
	300	30	16	15	12	8	14
	350	29	20	19			
	400	26	18	17			
	450	23	16	15			
	500	21	14	14			
	550	19	13	13			
600	18	12	12				

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



MAX. LOAD (m)						
Outer material	Copper					
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 Galvanized	Joist floor support 903
ND (mm)	80	74	40	38		
	100	63	34	33		
	130	52	28	27		
	150	47	25	24		
	160	44	24	23		
	180	40	21	21		
	200	37	20	19		
	250	31	16	16		
	300	26	14	13		
	350	28	19	19		
	400	25	17	16		
	450	22	15	15		
	500	20	14	13		
	550	18	12	12		
600	17	11	11			

*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)
80-100	375 NM	375 NM
130	390 NM	390 NM
150	450 NM	450 NM
160	480 NM	480 NM
180	540 NM	540 NM
200	600 NM	600 NM
250	750 NM	750 NM
300	900 NM	900 NM
350	1050 NM	1050 NM
400	1200 NM	1200 NM
450	1350 NM	1350 NM
500	1500 NM	1500 NM
550	1650 NM	1650 NM
600	1800 NM	1800 NM