



DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

EN 1856-2

Chimneys – Requirements for metal chimneys. Part 2: Metal liners and connecting flue pipes

Manufacturer: **DINAK**
Camiño do Laranxo, 19. 36216, VIGO (ESPAÑA)

Product commercial name: **FULL-KONTACT**

Product description: Single wall metal chimney

Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service
GmbH TÜV SÜD Gruppe**

Certificate number: **0036 CPD 90220 015**



Designations according to EN 1856-2 standard:

	0.1	Metal chimney 1.4404/316L	EN 1856-2	T600	P1	W	V2-L50040	G
Product description								
Standard number								
Temperature level								
Pressure level								
Condensate resistance (W: wet; D: dry)								
Corrosion resistance and inner wall material								
Sootfire resistance (G: yes; O: no)								

Compressive strength
Up to 72 m. See Annex

Flow resistance
Inner roughness: 1 mm
(according to EN 13384-1
Standard)
Flow resistance coefficients ζ
according to EN 13384-1
Standard

Thermal resistance
0 m² K/W at reference temperature

**Mechanical resistance and
stability**
Tensile strength: up to 138 m.
See Annex
Non vertical installation: maximum
deflection 90° and maximum
length of the slope up to 3 m.

Wet working conditions: Yes



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Chimneys – Requirements for metal chimneys. Part 2: Metal liners and connecting flue pipes

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Product commercial name: **FULL-KONTACT**

Product description: Single wall metal chimney

Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service GmbH TÜV SÜD Gruppe**
0036 CPD 90220 015

Certificate number:



Designations according to EN 1856-2 standard:

0.1	Metal chimney 1.4521/444	EN 1856-2	T600	P1	W	V2-L99040	G
Product description							
Standard number							
Temperature level							
Pressure level							
Condensate resistance (W: wet; D: dry)							
Corrosion resistance and inner wall material							
Sootfire resistance (G: yes; O: no)							

Compressive strength
Up to 72 m. See Annex

Flow resistance
Inner roughness: 1 mm
(according to EN 13384-1
Standard)
Flow resistance coefficients ζ
according to EN 13384-1
Standard

Thermal resistance
0 m² K/W at reference temperature

**Mechanical resistance and
stability**
Tensile strength: up to 138 m.
See Annex
Non vertical installation: maximum
deflection 90° and maximum
length of the slope up to 3 m.

Wet working conditions: Yes



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Camiño do Laranxo, 19. 36216, VIGO (ESPAÑA)

Product commercial name: **FULL-KONTACT**

Product description: Single wall metal chimney

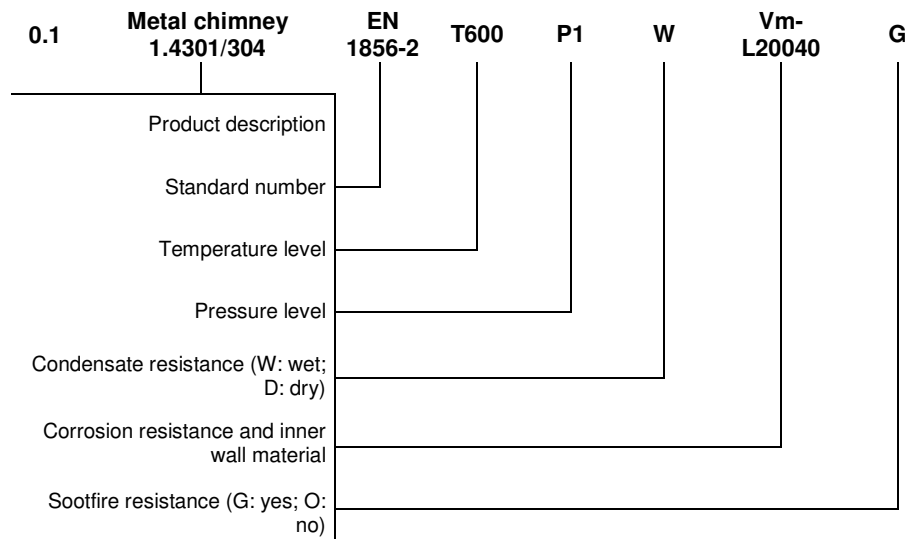
Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service GmbH TÜV SÜD Gruppe**
0036 CPD 90220 015

Certificate number:



Designations according to EN 1856-2 standard:



Compressive strength
Up to 72 m. See Annex

Flow resistance
Inner roughness: 1 mm
(according to EN 13384-1
Standard)
Flow resistance coefficients ζ
according to EN 13384-1
Standard

Thermal resistance
0 m² K/W at reference temperature

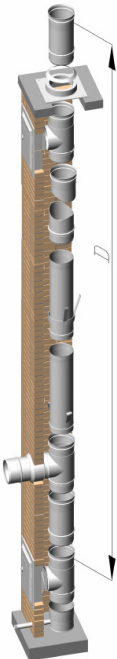
**Mechanical resistance and
stability**
Tensile strength: up to 138 m.
See Annex
Non vertical installation: maximum
deflection 90° and maximum
length of the slope up to 3 m.

Wet working conditions: Yes



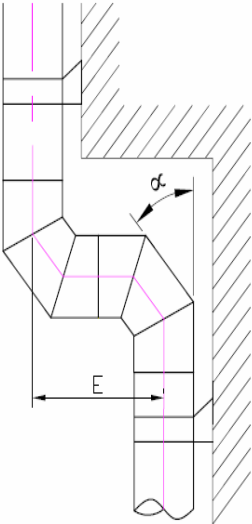
	Characteristics	Units	Ref. EN 1856-2	Values / Levels			Remarks
1.0	Nominal dimensions	mm	4, 5	80, 100, 110, 120, 130, 140, 150, 160, 180, 200, 250, 300, 350, 400			
2.0	Inner diameter (minimum)	mm	4, 5	78,4; 98,4; 108,4; 118,4; 128,4; 138,4; 148,4; 158,4; 178,4; 198,4; 248,4; 298,4; 348,2; 398,2			
3.0	Inner wall material		4, 5, 6.5.2				
	Quality			1.4404 / 316L	1.4521 / 444	1.4301 / 304	
	Nominal thickness (minimum thickness)	mm		ND 80-300: 0,4 (0,34) ND 350-400: 0,5 (0,44)	ND 80-300: 0,4 (0,34) ND 350-400: 0,5 (0,44)	ND 80-300: 0,4 (0,34) ND 350-400: 0,5 (0,44)	
	Description according to EN 1856-1			ND 80-300: L50040 ND 350-400: L50050	ND 80-300: L99040 ND 350-400: L99050	ND 80-300: L20040 ND 350-400: L20050	
4.0	Outer wall material		4, 5, 6.5.2	None			
5.0	Insulation		7.2	None			
6.0	Seals		7.2	None			
	Mechanical resistance and stability		6.1				RP: TÜV-A 1445-00/05
7.0	Compressive strength		6.1.1	Up to 72 m.			See Annex
8.0	Tensile strength		6.1.2	Up to 138 m.			See Annex
	Non vertical installation		6.1.3.1				RP: TÜV-A 1445-00/05
9.0	Maximum deflection			90° (horizontal installation)			See Annex
10.0	Maximum length of the slope			Up to 3 m.			See Annex
11.0	Gas tightness		6.3	Pressure level: P1			RP: TÜV-A 1475-00/05
12.0	Accidental human contact		6.4.2	Protection in the traffic area needed			RP: TÜV-A 1475-00/05
13.0	Thermal resistance	m ² K / W	6.4.3	0			RP: TÜV-A 1475-00/05
14.0	Condensate resistance		6.4.4, 6.4.5	Designation: W (wet)			RP: TÜV-A 1475-00/05
15.0	Resistance against rainwater penetration		6.4.6	Not apply (not insulated)			
	Flow resistance		6.4.7				
16.0	Mean value of roughness	mm	6.4.7.1	1 (according to EN 13384-1 standard)			
17.0	Coefficients of flow resistance for fittings		6.4.7.2	Values according to EN 13384-1 standard			
	Terminal						
18.0	Coefficient of flow resistance		6.4.7.3	Values according to EN 13384-1 standard			
19.0	Protection against rainwater		6.4.8.1	N.P.D.			

	Characteristics	Units	Ref. EN 1856-2	Values / Levels			Remarks
20.0	Aerodynamic behavior		6.4.8.2	N.P.D.			
21.0	Corrosion resistance		6.5.1	1.4404 / 316L V2	1.4521 / 444 V2	1.4301 / 304 Vm	RP: TÜV-A 1439-00/05
22.0	Freeze / thaw resistance		6.5.3	Fulfilled according to EN 1856-1			
23.0	Dangerous substances		7.2	None			
24.0	Typical installation drawing		7.2				See Annex
25.0	Assembly instructions		7.2				See Annex
26.0	Flow direction		7.2	Installation with the Female at the top			
27.0	Storage instructions		7.2	No corrosive atmosphere			
28.0	Method of application of any sealant required		7.2	None			

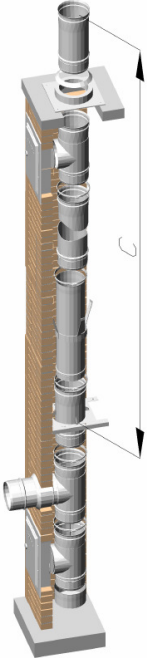


Material	COMPRESSIVE STRENGTH*		TENSILE STRENGTH	
	Height – Size D (m)		Height (m)	
	.4301 /304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101		.4301 /304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101	
ND (mm)	80	72	138	
	100	58	110	
	110	53	100	
	120	48	92	
	130	45	85	
	140	41	78	
	150	38	73	
	160	36	69	
	180	32	61	
	200	29	55	
	250	23	44	
	300	19	36	
	350	17	55	
	400	15	48	

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



NON VERTICAL INSTALLATION				
Material	Maximum deflection α (°)		Maximum length of the slope – Size E (m)	
	.4301 /304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101			
	ND (mm)	80	90	3
100		90	3	
110		90	3	
120		90	3	
130		90	3	
140		90	3	
150		90	3	
160		90	3	
180		90	3	
200		90	3	
250		90	3	
300		90	3	
350		90	3	
400		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*
80	377	203	197
100	302	162	157
110	274	147	143
120	251	135	131
130	232	125	121
140	215	116	112
150	201	108	105
160	188	101	98
180	167	90	87
200	151	81	78
250	120	65	63
300	100	54	52
350	84	58	56
400	74	51	49

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



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Product description: Single wall metal chimney

Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service
GmbH TÜV SÜD Gruppe**

Certificate number: **0036 CPD 90220 037**



Designations according to EN 1856-2 standard:

0.1	Metal connecting flue pipe 1.4404/316L	EN 1856-2	T600	P1	W	V2-L50040	GXXX NM	Compressive strength Up to 72 m. See Annex
Product description								Flow resistance Inner roughness: 1 mm (according to EN 13384-1 Standard) Flow resistance coefficients ζ according to EN 13384-1 Standard
Standard number								Thermal resistance 0 m ² K/W at reference temperature
Temperature level								Mechanical resistance and stability Tensile strength: up to 138 m. See Annex Non vertical installation: maximum deflection 45° in wet conditions, (90° in dry conditions) and maximum length of the slope up to 3 m.
Pressure level								Wet working conditions: Yes
Condensate resistance (W: wet; D: dry)								
Corrosion resistance and inner wall material								
Sootfire resistance (G: yes; O: no)								

DINAK DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

EN 1856-2

Chimneys – Requirements for metal chimneys. Part 2: Metal liners and connecting flue pipes

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Product description: Single wall metal chimney

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Notified Body: **TÜV Industrie Service
GmbH TÜV SÜD Gruppe**

Certificate number: **0036 CPD 90220 037**



Designations according to EN 1856-2 standard:

0.1	Metal connecting flue pipe 1.4521/444	EN 1856-2	T600	P1	W	V2-L99040	GXXX NM
Product description							
Standard number							
Temperature level							
Pressure level							
Condensate resistance (W: wet; D: dry)							
Corrosion resistance and inner wall material							
Sootfire resistance (G: yes; O: no)							

Compressive strength
Up to 72 m. See Annex

Flow resistance
Inner roughness: 1 mm
(according to EN 13384-1
Standard)
Flow resistance coefficients ζ
according to EN 13384-1
Standard

Thermal resistance
0 m² K/W at reference temperature

Mechanical resistance and stability
Tensile strength: up to 138 m.
See Annex
Non vertical installation: maximum
deflection 45° in wet conditions,
(90° in dry conditions) and
maximum length of the slope up
to 3 m.

Wet working conditions: Yes



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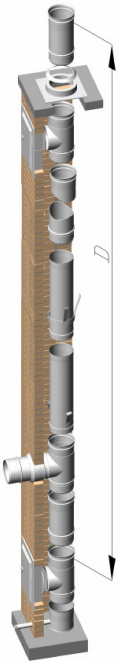
Designations according to EN 1856-2 standard:

0.1	Metal connecting flue pipe 1.4301/304	EN 1856-2	T600	P1	W	Vm- L20040	GXXX NM	Compressive strength Up to 72 m. See Annex
Product description								Flow resistance Inner roughness: 1 mm (according to EN 13384-1 Standard) Flow resistance coefficients ζ according to EN 13384-1 Standard
Standard number								Thermal resistance 0 m ² K/W at reference temperature
Temperature level								Mechanical resistance and stability Tensile strength: up to 138 m. See Annex Non vertical installation: maximum deflection 45° in wet conditions, (90° in dry conditions) and maximum length of the slope up to 3 m.
Pressure level								Wet working conditions: Yes
Condensate resistance (W: wet; D: dry)								
Corrosion resistance and inner wall material								
Sootfire resistance (G: yes; O: no)								



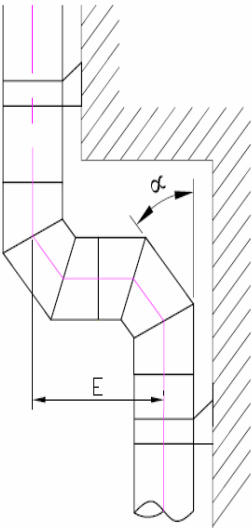
	Characteristics	Units	Ref. EN 1856-2	Values / Levels			Remarks
1.0	Nominal dimensions	mm	4, 5	80, 100, 110, 120, 130, 140, 150, 160, 180, 200, 250, 300			
2.0	Inner diameter (minimum)	mm	4, 5	78,4; 98,4; 108,4; 118,4; 128,4; 138,4; 148,4; 158,4; 178,4; 198,4; 248,4; 298,4			
3.0	Inner wall material		4, 5, 6.5.2				
	Quality			1.4404 / 316L	1.4521 / 444	1.4301 / 304	
	Nominal thickness (minimum thickness)	mm		ND 80-300: 0,4 (0,34)	ND 80-300: 0,4 (0,34)	ND 80-300: 0,4 (0,34)	
	Description according to EN 1856-2			ND 80-300: L50040	ND 80-300: L99040	ND 80-300: L20040	
4.0	Outer wall material		4, 5, 6.5.2	None			
5.0	Insulation		7.2	None			
6.0	Seals		7.2	None			
	Mechanical resistance and stability		6.1				RP: TÜV-A 1445-00/05
7.0	Compressive strength		6.1.1	Up to 72 m.			See Annex
8.0	Tensile strength		6.1.2	Up to 138 m.			See Annex
	Non vertical installation		6.1.3.1				RP: TÜV-A 1445-00/05
9.0	Maximum deflection			45° in wet conditions 90° (horizontal installation) in dry conditions			See Annex
10.0	Maximum length of the slope			Up to 3 m.			See Annex
11.0	Gas tightness		6.3	Pressure level: P1			RP: TÜV-A 1475-00/05
12.0	Distance to combustible materials at T200	mm	6.2	ND 80-120: 375 (G375 NM) ND 130: 390 (G390 NM) ND 140: 420 (G420 NM) ND 150: 450 (G450 NM) ND 160: 480 (G480 NM) ND 180: 540 (G540 NM) ND 200: 600 (G600 NM) ND 250: 750 (G750 NM) ND 300: 900 (G900 NM)			RP: TÜV-A 1475-01/11
13.0	Accidental human contact		6.4.2	Protection in the traffic area needed			RP: TÜV-A 1475-00/05
14.0	Thermal resistance	m ² K / W	6.4.3	0			RP: TÜV-A 1475-00/05
15.0	Condensate resistance		6.4.4, 6.4.5	Designation: W (wet)			RP: TÜV-A 1475-01/11
16.0	Resistance against rainwater penetration		6.4.6	Not apply (not insulated)			RP: TÜV-A 1475-01/11
	Flow resistance		6.4.7				
17.0	Mean value of roughness	mm	6.4.7.1	1 (according to EN 13384-1 standard)			
18.0	Coefficients of flow resistance for fittings		6.4.7.2	Values according to EN 13384-1 standard			
	Terminal						

	Characteristics	Units	Ref. EN 1856-2	Values / Levels			Remarks
19.0	Coefficient of flow resistance		6.4.7.3	Values according to EN 13384-1 standard			
20.0	Protection against rainwater		6.4.8.1	N.P.D.			
21.0	Aerodynamic behavior		6.4.8.2	N.P.D.			
22.0	Corrosion resistance		6.5.1	1.4404 / 316L	1.4521 / 444	1.4301 / 304	RP: TÜV-A 1439-00/05
				V2	V2	Vm	
23.0	Freeze / thaw resistance		6.5.3	Fulfilled according to EN 1856-1			
24.0	Dangerous substances		7.2	None			
25.0	Typical installation drawing		7.2				See Annex
26.0	Assembly instructions		7.2				See Annex
27.0	Flow direction		7.2	Installation with the Female at the top			
28.0	Storage instructions		7.2	No corrosive atmosphere			
29.0	Method of application of any sealant required		7.2	None			

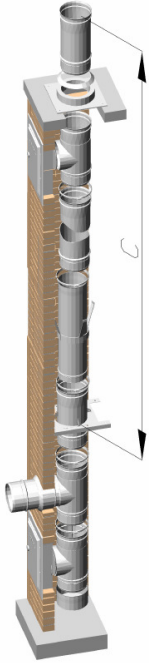


		COMPRESSIVE STRENGTH*		TENSILE STRENGTH	
		Height – Size D (m)		Height (m)	
Material		.4301 /304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101		.4301 /304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101	
ND (mm)	80	72		138	
	100	58		110	
	110	53		100	
	120	48		92	
	130	45		85	
	140	41		78	
	150	38		73	
	160	36		69	
	180	32		61	
	200	29		55	
	250	23		44	
	300	19		36	

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



		NON VERTICAL INSTALLATION	
		Maximum deflection α (°)	Maximum length of the slope – Size E (m)
Material		.4301 /304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101	
ND (mm)	80	90	3
	100	90	3
	110	90	3
	120	90	3
	130	90	3
	140	90	3
	150	90	3
	160	90	3
	180	90	3
	200	90	3
	250	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*
80	377	203	197
100	302	162	157
110	274	147	143
120	251	135	131
130	232	125	121
140	215	116	112
150	201	108	105
160	188	101	98
180	167	90	87
200	151	81	78
250	120	65	63
300	100	54	52
*Please check maximum load in the compressive strength table, in case of installing a Tee section on top of our floor support			



DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

EN 1856-1

Chimneys – Requirements for metal chimneys. Part 1: System chimney products

Manufacturer: **DINAK**
Camiño do Laranxo, 19. 36216, VIGO (ESPAÑA)

Product commercial name: **FULL-KONTACT**

Product description: Single wall metal chimney

Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service
GmbH TÜV SÜD Gruppe
0036 CPD 90220 002**

Certificate number:



Designations according to EN 1856-1 standard:

	0.1	Metal chimney 1.4404/316L	ND 80-300 ND 350-400	EN 1856-1 EN 1856-1	T250 T250	P1 P1	W W	V2-L50040 V2-L50050	O(50) O(75)
Product description									
Standard number									
Temperature level									
Pressure level									
Condensate resistance (W: wet; D: dry)									
Corrosion resistance and inner wall material									
Sootfire resistance (G: yes; O: no) and distance to combustible materials (in mm)									

Compressive strength
Up to 72 m. See Annex

Flow resistance
Inner roughness: 1 mm
(according to EN 13384-1
Standard)
Flow resistance coefficients ζ
according to EN 13384-1
Standard

Thermal resistance
0 m² K/W at reference
temperature

Mechanical resistance and stability
Tensile strength: up to 138 m.
See Annex
Non vertical installation:
maximum deflection 90° and
maximum length of the slope up
to 3 m.
Wind load resistance:
Maximum length between
supports up to 4 m.
Maximum length from the last
support up to 2.5 m. See Annex

Wet working conditions: Yes



DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

EN 1856-1

Chimneys – Requirements for metal chimneys. Part 1: System chimney products

Manufacturer: **DINAK**
Camiño do Laranxo, 19. 36216, VIGO (ESPAÑA)

Product commercial name: **FULL-KONTACT**

Product description: Single wall metal chimney

Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service
GmbH TÜV SÜD Gruppe
0036 CPD 90220 002**

Certificate number:



Designations according to EN 1856-1 standard:

	0.1	Metal chimney 1.4521/444	ND 80-300	EN 1856-1	T250	P1	W	V2-L99040	O(50)
			ND 350-400	EN 1856-1	T250	P1	W	V2-L99050	O(75)
Product description									
Standard number									
Temperature level									
Pressure level									
Condensate resistance (W: wet; D: dry)									
Corrosion resistance and inner wall material									
Sootfire resistance (G: yes; O: no) and distance to combustible materials (in mm)									

Compressive strength
Up to 72 m. See Annex

Flow resistance
Inner roughness: 1 mm
(according to EN 13384-1
Standard)
Flow resistance coefficients ζ
according to EN 13384-1
Standard

Thermal resistance
0 m² K/W at reference
temperature

**Mechanical resistance and
stability**
Tensile strength: up to 138 m.
See Annex
Non vertical installation:
maximum deflection 90° and
maximum length of the slope up
to 3 m.
Wind load resistance:
Maximum length between
supports up to 4 m.
Maximum length from the last
support up to 2.5 m. See Annex

Wet working conditions: Yes



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Notified Body: **TÜV Industrie Service
GmbH TÜV SÜD Gruppe
0036 CPD 90220 002**

Certificate number:



Designations according to EN 1856-1 standard:

	Metal chimney	ND 80-300	EN 1856-1	T250	P1	W	V2-L99050	O(50)
0.1	1.4162/S32101	ND 350-400	EN 1856-1	T250	P1	W	V2-L99050	O(75)
Product description								
Standard number								
Temperature level								
Pressure level								
Condensate resistance (W: wet; D: dry)								
Corrosion resistance and inner wall material								
Sootfire resistance (G: yes; O: no) and distance to combustible materials (in mm)								

Compressive strength
Up to 72 m. See Annex

Flow resistance
Inner roughness: 1 mm
(according to EN 13384-1
Standard)
Flow resistance coefficients ζ
according to EN 13384-1
Standard

Thermal resistance
0 m² K/W at reference
temperature

Mechanical resistance and stability
Tensile strength: up to 138 m.
See Annex
Non vertical installation: maximum
deflection 90° and maximum
length of the slope up to 3 m.
Wind load resistance:
Maximum length between
supports up to 4 m.
Maximum length from the last
support up to 2.5 m. See Annex

Wet working conditions: Yes



DECLARATION OF CONFORMITY AND PRODUCT DESCRIPTION

EN 1856-1

Chimneys – Requirements for metal chimneys. Part 1: System chimney products

Manufacturer: **DINAK**
Camiño do Laranxo, 19. 36216, VIGO (ESPAÑA)

Product commercial name: **FULL-KONTACT**

Product description: Single wall metal chimney

Name and function of the responsible person: Íñigo A. Canoa (General Manager)

Notified Body: **TÜV Industrie Service
GmbH TÜV SÜD Gruppe
0036 CPD 90220 002**

Certificate number:



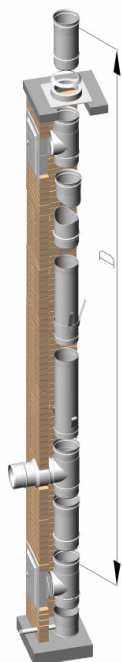
Designations according to EN 1856-1 standard:

	0.1	Metal chimney 1.4301/304	ND 80-300 ND 350-400	EN 1856-1 EN 1856-1	T250 T250	P1 P1	W W	Vm- L20040 Vm- L20050	O(50) O(75)	
Product description										Compressive strength Up to 72 m. See Annex
Standard number										Flow resistance Inner roughness: 1 mm (according to EN 13384-1 Standard) Flow resistance coefficients ζ according to EN 13384-1 Standard
Temperature level										Thermal resistance 0 m ² K/W at reference temperature
Pressure level										Mechanical resistance and stability Tensile strength: up to 138 m. See Annex Non vertical installation: maximum deflection 90° and maximum length of the slope up to 3 m. Wind load resistance: Maximum length between supports up to 4 m. Maximum length from the last support up to 2.5 m. See Annex
Condensate resistance (W: wet; D: dry)										Wet working conditions: Yes
Corrosion resistance and inner wall material										
Sootfire resistance (G: yes; O: no) and distance to combustible materials (in mm)										



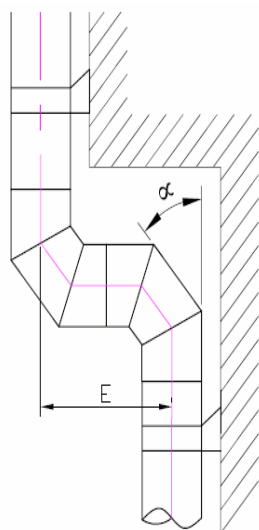
	Characteristics	Units	Ref. EN 1856-1	Values / Levels				Remarks
1.0	Nominal dimensions	mm	4, 5	80, 100, 110, 120, 130, 140, 150, 160, 180, 200, 250, 300, 350, 400				
2.0	Inner diameter (minimum)	mm	4, 5	78,4; 98,4; 108,4; 118,4; 128,4; 138,4; 148,4; 158,4; 178,4; 198,4; 248,4; 298,4; 348,2; 398,2				
3.0	Inner wall material		4, 5, 6.5.2					
	Quality			1.4404 / 316L	1.4521 / 444	1.4162 / S32101	1.4301 / 304	
	Nominal thickness (minimum thickness)	mm		ND 80-300: 0,4 (0,34) ND 350-400: 0,5 (0,44)	ND 80-300: 0,4 (0,34) ND 350-400: 0,5 (0,44)	ND 80-400: 0,5 (0,44)	ND 80-300: 0,4 (0,34) ND 350-400: 0,5 (0,44)	
	Description according to EN 1856-1			ND 80-300: L50040 ND 350-400: L50050	ND 80-300: L99040 ND 350-400: L99050	ND 80-400: L99050	ND 80-300: L20040 ND 350-400: L20050	
4.0	Outer wall material		4, 5, 6.5.2	None				
5.0	Insulation		7.2	None				
6.0	Seals		7.2	None				
	Mechanical resistance and stability		6.1					RP: TÜV-A 1445-00/05
7.0	Compressive strength		6.1.1	Up to 72 m.				See Annex
8.0	Tensile strength		6.1.2	Up to 138 m.				See Annex
9.0	Wind load resistance		6.1.3.2	Maximum length from the last support: up to 3 m. Maximum length between supports: up to 4 m.				See Annex
	Non vertical installation		6.1.3.1					RP: TÜV-A 1445-00/05
10.0	Maximum deflection			90° (horizontal installation)				See Annex
11.0	Maximum length of the slope			Up to 3 m.				See Annex
12.0	Gas tightness		6.3	Pressure level: P1				RP: TÜV-A 1427-00/05
13.0	Distance to combustible materials at T250	mm	6.2	ND 80-300: 50 (O50) ND 350-400: 75 (O75)				RP: TÜV-A 1427-00/05
14.0	Accidental human contact		6.4.2	Protection in the traffic area needed				RP: TÜV-A 1427-00/05
15.0	Thermal resistance	m ² K / W	6.4.3	0				RP: TÜV-A 1427-00/05
16.0	Condensate resistance		6.4.4, 6.4.5	Designation: W (wet)				RP: TÜV-A 1427-00/05
17.0	Resistance against rainwater penetration		6.4.6	Not apply (not insulated)				
	Flow resistance		6.4.7					
18.0	Mean value of roughness	mm	6.4.7.1	1 (according to EN 13384-1 standard)				
19.0	Coefficients of flow resistance for fittings		6.4.7.2	Values according to EN 13384-1 standard				

	Characteristics	Units	Ref. EN 1856-1	Values / Levels				Remarks
	Terminal							
20.0	Coefficient of flow resistance		6.4.7.3	Values according to EN 13384-1 standard				
21.0	Protection against rainwater		6.4.8.1	N.P.D.				
22.0	Aerodynamic behavior		6.4.8.2	N.P.D.				
23.0	Corrosion resistance		6.5.1	1.4404 / 316L	1.4521 / 444	1.4162 / S32101	1.4301 / 304	RP: TÜV-A 1439-00/05
				V2	V2	V2	Vm	
24.0	Freeze / thaw resistance		6.5.3	Fulfilled according to EN 1856-1				
25.0	Dangerous substances		7.2	None				
26.0	Typical installation drawing		7.2					See Annex
27.0	Assembly instructions		7.2					See Annex
28.0	Flow direction		7.2	Installation with the Female at the top				
29.0	Storage instructions		7.2	No corrosive atmosphere				
30.0	Method of application of any sealant required		7.2	None				

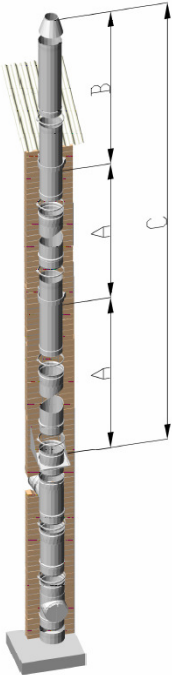


Material	COMPRESSIVE STRENGTH*		TENSILE STRENGTH	
	Height – Size D (m)		Height (m)	
	1.4301 / 304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101		1.4301 / 304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101	
ND (mm)	80	72	138	
	100	58	110	
	110	53	100	
	120	48	92	
	130	45	85	
	140	41	78	
	150	38	73	
	160	36	69	
	180	32	61	
	200	29	55	
	250	23	44	
	300	19	36	
	350	17	55	
	400	15	48	

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

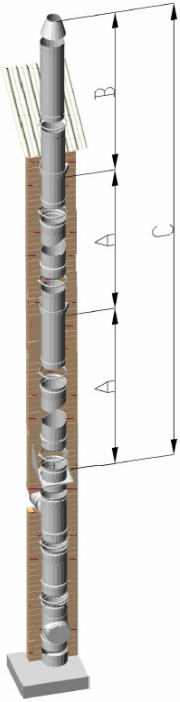


Material	NON VERTICAL INSTALLATION	
	Maximum deflection α (°)	Maximum length of the slope – Size E (m)
	1.4301 / 304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101	
ND (mm)	80	3
	100	3
	110	3
	120	3
	130	3
	140	3
	150	3
	160	3
	180	3
	200	3
	250	3
	300	3
	350	3
	400	3

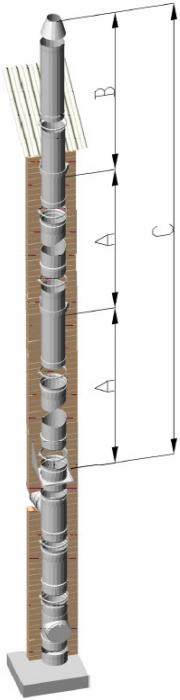


WIND LOAD RESISTANCE			
Configuration 1 (flat wall supports 086 with a self-standing 861 at highest position)			
	Max number of straight elements (020) between supports (Size A)	Max. Length from last support. (m) (Size B)	
Material	1.4301 / 304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101	AISI 304 / 1.4401	1.4404 / 316L 1.4521 / 444; 1.4162 / S32101
ND (mm)	80-180		
	200	4	3
	250	4	3
	300	4	3
	350	4	3
	400	4	3

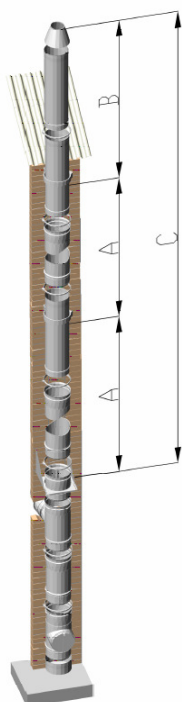
Configuration 2 (wall supports 086)		
	Max number of straight elements (020) between supports (Size A)	Max. Length from last support. (m) (Size B)
Material	1.4301 / 304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101	
ND (mm)	80	4
	100	4
	110	4
	120	4
	130	4
	140	4
	150	4
	160	4
	180	4
	200	4
	250	4
	300	4
	350	4
	400	4



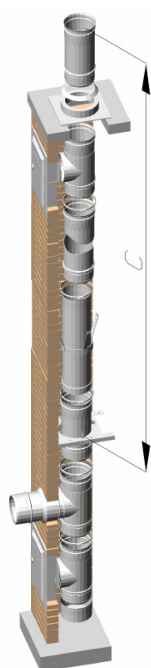
Configuration 3 (flat adjustable supports 831)		
Distance to wall (831) : 70-120 mm		
	Max number of straight elements (020) between supports (Size A)	Max. Length from last support. (m) (Size B)
Material	1.4301 /304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101	
80	3	1.5
100	3	1.5
110	3	1.5
120	3	1.5
130	3	1.5
140	3	1.5
150	3	1.5
160	3	1.5
180	3	1.5
200	3	1.5
250	3	1.5
300	3	1.5
350	3	1.5
400	X	



Configuration 4 (flat short cuttable supports 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)
Material	1.4301 /304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101	
80	3	1.5
100	3	1.5
110	3	1.5
120	3	1.5
130	3	1.5
140	3	1.5
150	3	1.5
160	3	1.5
180	3	1.5
200	3	1.5
250	3	1.5
300	3	1.5
350	3	1.5
400	3	1.5



Configuration 5 (flat long cuttable supports 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)
Material	1.4301 / 304; 1.4404 / 316L 1.4521 / 444; 1.4162 / S32101	
ND (mm)	80	2
	100	2
	110	2
	120	2
	130	2
	140	2
	150	2
	160	2
	180	2
	200	2
	250	2
	300	2
	350	2
	400	2



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*
80	377	203	197
100	302	162	157
110	274	147	143
120	251	135	131
130	232	125	121
140	215	116	112
150	201	108	105
160	188	101	98
180	167	90	87
200	151	81	78
250	120	65	63
300	100	54	52
350	84	58	56
400	74	51	49

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