



DINAK SW

SINGLE WALL CHIMNEY IN STAINLESS STEEL



SW

0036 CPD 90220 004 System chimney

1.4404 / AISI 316L

Ø 80-300 EN 1856-1 T200 P1 W V2 L50040 O30

Ø 80-300 EN 1856-1 T250 N1 W V2 L50040 O50

1.4301 / AISI 304

Ø 80-300 EN 1856-1 T200 P1 W Vm L20040 O30

Ø 80-300 EN 1856-1 T250 N1 W Vm L20040 O50

0036 CPD 90220 020 Liner

1.4404 / AISI 316L

EN 1856-2 T600 N1 W V2 L50040 G

1.4301 / AISI 304

EN 1856-2 T600 N1 W Vm L20040 G

0036 CPD 90220 038 Connecting flue pipe

1.4404 / AISI 316L

Ø 80-300 EN 1856-2 T600 N1 D V2 L50040 G(xc) NM

1.4301 / AISI 304

Ø 80-300 EN 1856-2 T600 N1 D Vm L20040 G(xc) NM

SW6

0036 CPD 90220 030 System chimney

1.4404 / AISI 316L

Ø 80-300 EN 1856-1 T200 P1 W V2 L50060 O40

Ø 80-300 EN 1856-1 T250 N1 W V2 L50060 O50

0036 CPD 90220 031 Liner

1.4404 / AISI 316L

EN 1856-2 T600 N1 W V2 L50060 G

EN 1856-2 T600 N1 D V3 L50060 G with insulation

0036 CPD 90220 039 Connecting flue pipe

1.4404 / AISI 316L

Ø 80-300 EN 1856-2 T600 N1 D V2 L50060 G(xc) NM



ISO 9001 : 2008

FLUE LINER
DIRECT.co.uk

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NEW PRODUCT DISIGNED BY DINAK



 SW	
0036 CPD 90220 004 System chimney	
Ø 1.4404 / AISI 316L 80-300 EN 1856-1 T200 P1 W V2 L50040 O30 350-450 EN 1856-1 T200 P1 W V2 L50050 O45 500-600 EN 1856-1 T200 P1 W V2 L50060 O60 80-300 EN 1856-1 T250 N1 W V2 L50040 O50 350-450 EN 1856-1 T250 N1 W V2 L50050 O75 500-600 EN 1856-1 T250 N1 W V2 L50060 O100	Ø 1.4301 / AISI 304 80-300 EN 1856-1 T200 P1 W Vm L20040 O30 350-450 EN 1856-1 T200 P1 W Vm L20050 O45 500-600 EN 1856-1 T200 P1 W Vm L20060 O60 80-300 EN 1856-1 T250 N1 W Vm L20040 O50 350-450 EN 1856-1 T250 N1 W Vm L20050 O75 500-600 EN 1856-1 T250 N1 W Vm L20060 O100
0036 CPD 90220 020 Liner	
Ø 1.4404 / AISI 316L 80-600 EN 1856-2 T600 N1 W V2 L50040 G	Ø 1.4301 / AISI 304 80-600 EN 1856-2 T600 N1 W Vm L20040 G
0036 CPD 90220 038 Connecting flue pipe	
Ø 1.4404 / AISI 316L 80-300 EN 1856-2 T600 N1 D V2 L50040 G(x) NM	Ø 1.4301 / AISI 304 80-300 EN 1856-2 T600 N1 D Vm L20040 G(x) NM
 SW6	
0036 CPD 90220 030 System chimney	
1.4404 / AISI 316L	
Ø 80-300 EN 1856-1 T200 P1 W V2 L50060 O40 Ø 350-450 EN 1856-1 T200 P1 W V2 L50060 O60 Ø 500-600 EN 1856-1 T200 P1 W V2 L50060 O80	Ø 80-300 EN 1856-1 T250 N1 W V2 L50060 O50 Ø 350-450 EN 1856-1 T250 N1 W V2 L50060 O75 Ø 500-600 EN 1856-1 T250 N1 W V2 L50060 O100
0036 CPD 90220 031 Liner	
1.4404 / AISI 316L	
Ø 80-600 EN 1856-2 T600 N1 W V2 L50060 G	Ø 80-600 EN 1856-2 T600 N1 D V3 L50060 G with Insulation
0036 CPD 90220 039 Liner	
1.4404 / AISI 316L	
Ø 80-300 EN 1856-2 T600 N1 D V2 L50060 G(x) NM	

MAIN FEATURES

- P1 tightness (max 200 Pa) with joint
- Easy and quick assembly
- Overlap: 50 mm
- Can be cut
- Diameters available from 80 to 600 mm
- Triple sealing joints: temperature resistance to 200°C

APPLICATIONS

- In condensing (W) or in dry (D) mode
- With positive (P) or negative (N) pressure
- Ventilation and smoke extraction

MATERIALS	STANDARD THICKNESS (other thickness available by previous order)
<ul style="list-style-type: none"> • Stainless steel AISI 304 (1.4301), shining finish • Stainless steel AISI 316L (1.4404), shining finish 	<ul style="list-style-type: none"> • From Ø 80 mm to Ø 300 mm: 0,4 mm • From Ø 350 mm to Ø 450 mm: 0,5 mm • From Ø 500 mm to Ø 600 mm: 0,6 mm

FUELS	WORKING TEMPERATURE
<ul style="list-style-type: none"> • Gas, oil • Solid fuels 	<ul style="list-style-type: none"> • 250° C: EN 1856-1: CHIMINEYS (with joints) • 600° C: EN 1856-2: LINERS with natural draft (no joints)

DINAK RESERVES THE RIGHT TO CHANGE ANY INFORMATION ON THIS BROCHURE WITHOUT NOTIFICATION



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STRAIGHT LENGTH AND ELBOWS

STRAIGHT LENGTH

020
Straight length
930 mm

025
Straight length
265 mm

022
023
Adjustable lengths
022 : L= 65 mm - 373 mm
023 : L= 65 mm - 206 mm

024
Straight length
430 mm

203
Descending element
L= 930 mm (for Ø from 130 mm)

253
Descending element
L= 265 mm (for Ø from 130 mm)

001
Joint

070
Locking band

ELBOWS

044 15° Elbow

Ø mm	80	100	110	120	130	140	150	160	180	200	250	300	350	400	450	500	550	600
A mm	30	30	30	30	35	35	35	35	35	35	40	45	55	60	65	65	70	75
A1 mm	80	85	85	85	85	85	85	90	90	90	100	95	110	110	115	120	120	125



042 30° Elbow

Ø mm	80	100	110	120	130	140	150	160	180	200	250	300	350	400	450	500	550	600
A mm	35	35	40	40	40	45	45	45	50	50	55	65	80	90	95	100	110	115
A1 mm	85	90	90	90	95	95	95	95	100	105	120	115	115	140	145	155	160	165



040 45° Elbow

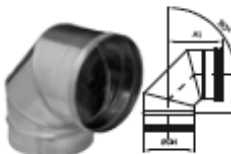
Ø mm	80	100	110	120	130	140	150	160	180	200	250	300	350	400	450	500	550	600
A mm	40	45	45	50	50	55	55	55	60	65	75	85	105	115	125	140	150	160
A1 mm	95	95	100	100	100	105	105	110	115	115	140	140	160	170	180	190	200	210



043 87° Elbow

433 90° Elbow

Ø mm	80	100	110	120	130	140	150	160	180	200	250	300	350	400	450	500	550	600
A mm	75	85	90	95	100	105	110	115	125	135	160	185	220	245	270	290	320	340
A1 mm	125	135	135	145	145	155	155	160	170	180	210	230	265	290	315	340	365	390
A mm	75	85	90	95	100	105	110	115	125	135	165	185	220	245	270	295	320	345
A1 mm	125	135	135	145	145	155	160	165	175	185	210	235	270	295	320	345	370	395



431
87° Elbow
with inspection



432
90° Elbow
with inspection



DIMENSIONS: CONTACT DINAK

TERMINALS

010 Rain cap



012 Weathering cap



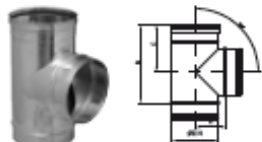
011 Open terminal



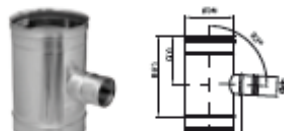
Ø mm	80	100	110	120	130	140	150	160	180	200	250	300	350	400
M mm	195	215	250	270	290	290	300	310	330	375	430	540	590	640

TEES, INSPECTION AND CLEANING

031 90° Tee



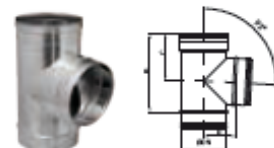
31B 93° Reducing Tee
(check available dimensions)



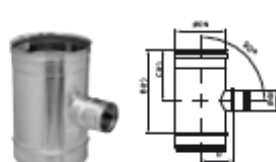
030 135° Tee
Only for dry application and natural draught
Dimensions: contact Dinak



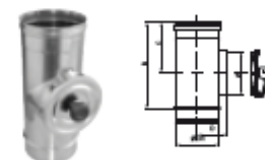
31A 93° Tee



312 93° Reducing Tee



528 Inspection Tee



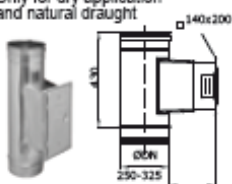
031 / 31A / 31B / 312

Ø mm	80	100	110	120	130	140	150	160	180	200	250	300	350	400	450	500	550	600
B mm	265	265	265	265	265	265	330	330	330	330	430	600	600	600	600	680	680	930
C mm	160	160	160	160	160	160	190	190	190	190	240	325	325	325	325	365	365	490
D mm	65	75	80	85	90	95	100	105	115	125	150	175	200	225	250	275	300	325

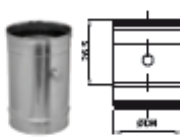
528

Ø mm	80	100	110	120	130	140	150	160	180	200	250	300	350	400	450	500	550	600
B mm	265	265	265	265	265	265	330	330	330	330	330	330	330	330	330	330	330	330
C mm	160	160	160	160	160	160	190	190	190	190	240	240	325	325	325	365	365	490
D mm	65	75	80	85	90	95	100	105	115	125	150	175	200	225	250	275	300	325
Ø1 mm	80	100	110	120	130	140	150	160	180	200	180	180	200	200	200	200	200	200

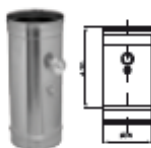
521 Inspection Tee
Only for dry application and natural draught



050 Test unit



056 Temperature length



060 Soot collector

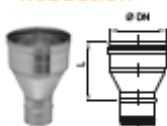


061 Soot collector with drain



CONNECTIONS

026 Reduction



100 Boiler adaptor



15P SW/DP Connection



16Q DP/SW Connection



1C0 Boiler adaptor for condensing



PROTECTIONS

852

Finishing plate with storm collar


85c

Foam tape



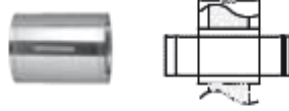
Ø mm	80	100	110	120	130	140	150	160	180	200	250	300	350	400	450	500	550	600
L mm	330	330	330	420	420	420	420	420	500	500	550	650	690	690	690	800	800	800

013

Storm collar


014

Wall sleeve


064

Firestop plate


017

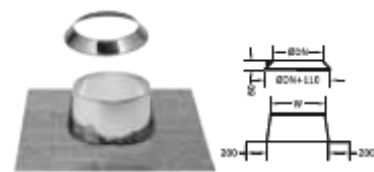
Adjustable flashing 30/45° with storm collar


018

Adjustable flashing 5°/30° with storm collar


019

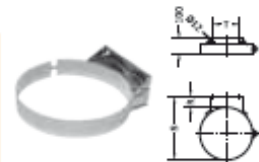
Adjustable flashing with storm collar



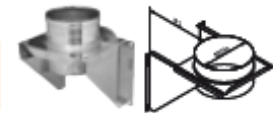
LOCKING BANDS AND SUPPORTS

086 Flat wall support

Ø mm	80	100	110	120	130	140	150	160	180	200	250	300	350	400	450	500	550	600	
R mm	30	30	30	30	30	30	30	30	30	35	35	40	20	30	35	35	30	30	35
S mm	110	130	140	150	160	170	180	190	215	235	290	320	380	435	495	530	580	635	
T mm	60	60	60	60	60	60	60	60	120	120	120	120	190	190	190	270	270	270	


853 Console

Ø mm	130	140	150	160	180	200	250	300	350	400	450	500	550	600
R1 mm	20-100	20-100	30-105	30-105	30-110	30-125	35-160	20-160	15-175	30-225	35-260	25-265	25-290	30-325


831

Adjustable wall support 70 – 120 mm


836

Flat short cuttable wall support 100 – 250 mm


846

Flat short cuttable wall support 240 – 460 mm


082

Roof support


110

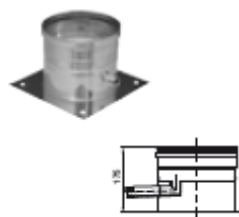
Guy wire bracket


071

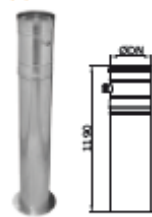
Location bracket


065

Base plate with drain


856

Adjustable floor support


854

Console plate



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SIZING

INDIVIDUAL INSTALLATIONS (1 BOILER ONLY)

Diameter is normally calculated in negative pressure (natural draught) conditions according to the European standard EN 1856-1 . Although we can calculate condensing chimneys under positive pressure condition but only if a maximum positive pressure of 15 Pa inside the chimney is considered.

COLLECTIVE INSTALLATIONS (SEVERAL BOILERS)

Sizing is always done according to the European Standard EN 13384-2. According to this standard, calculations should always be done in natural draught conditions to avoid any combustion gases of one of the functioning boilers entering into the non-functioning ones.

INSTALLATION: 3°/ 5,2% MINIMUM SLOPE

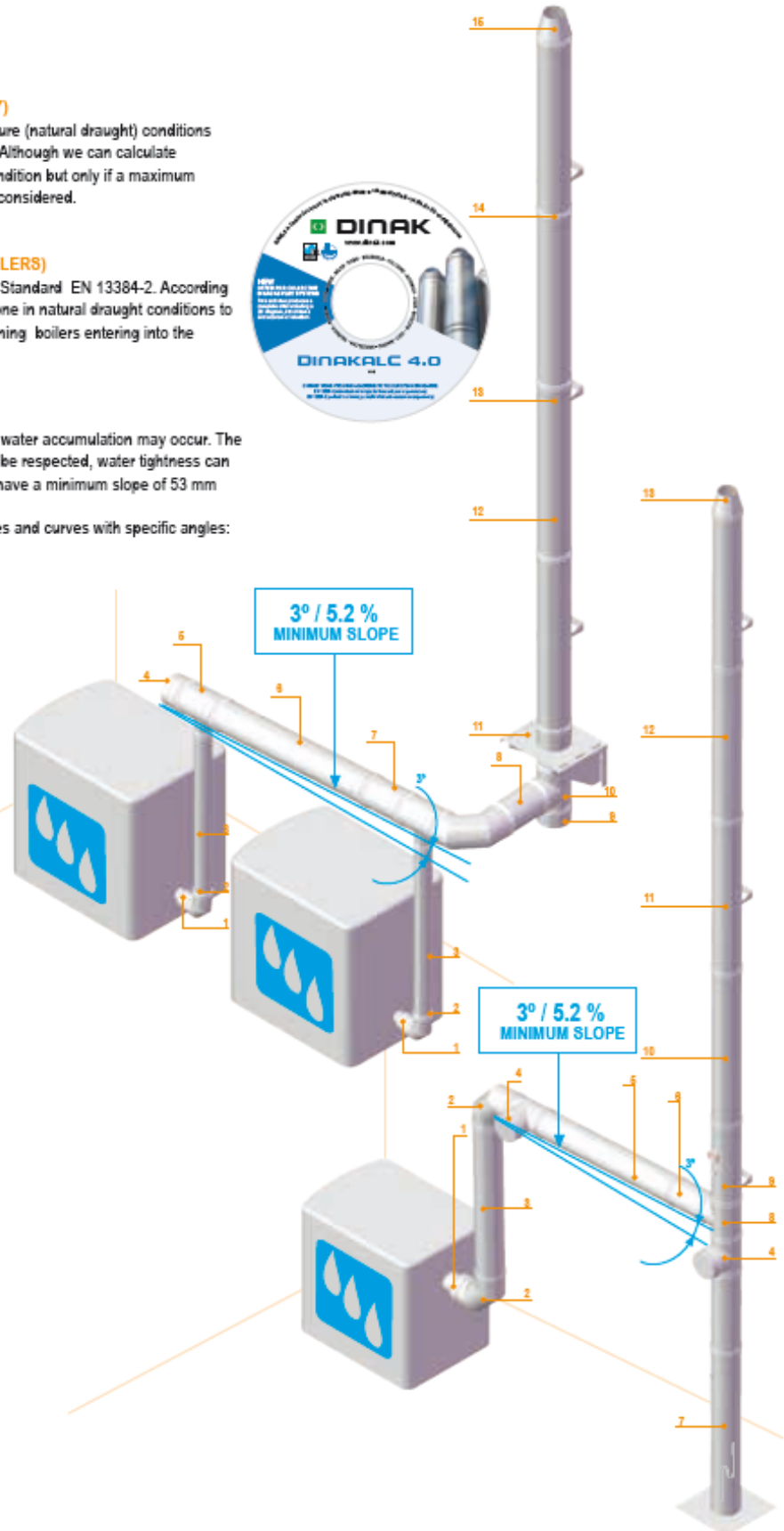
Never install totally horizontal runs or runs where water accumulation may occur. The minimum slope is 3° (5,2%). If this slope can not be respected, water tightness can not be guaranteed. That means that we have to have a minimum slope of 53 mm per meter.

To attain this 3° fall, it will be necessary to use tees and curves with specific angles: 93° Tee or 87° Elbow.



- 1 1C0 Boiler adaptor for condensing
- 2 043 87° Elbow
- 3 022 Adjustable lengths 65 mm – 373 mm
- 4 613 Soot collector with side drain
- 5 31B 93° Reducing Tee
- 6 020 Straight length 930 mm
- 7 025 Straight length 265 mm
- 8 023 Adjustable lengths 65 mm – 206 mm
- 9 081 Soot collector with drain
- 10 31A 93° Tee
- 11 853 Console
- 12 020 Straight length 930 mm
- 13 086 Flat wall support
- 14 070 Locking band
- 15 011 Open terminal

- 1 1C0 Boiler adaptor for condensing
- 2 043 87° Elbow
- 3 020 Straight length 930 mm
- 4 528 Inspection Tee
- 5 022 Adjustable lengths 65 mm – 373 mm
- 6 025 Straight length 265 mm
- 7 856 Adjustable floor support
- 8 31A 93° Tee
- 9 056 Temperature length
- 10 020 Straight length 930 mm
- 11 086 Flat wall support
- 12 070 Locking band
- 13 011 Open terminal





TYPICAL SOLID FUEL INSTALLATION

CHIMNEY INSPECTION, CLEANING AND MAINTENANCE

When using solid fuels, like wood products (logs, pellets, etc), adequate cleaning of the chimney is required in order to guarantee both optimal safety conditions and efficiency, contributing at the same time to prevent soot fires inside the chimney. European standard EN 15287-1 – Design, installation and commissioning of chimneys, sets out a series of recommendations for chimney inspection and cleaning, which can be summarised as follows:

Suitable access must be provided for inspection and cleaning purposes along its full length, from the connection to the appliance to chimney outlet.

The elements used to provide this access must be fully compatible with the chimney.



Suitable access should be provided at offsets >30° or any other offset that cannot be inspected or cleaned in any other way.

The typical recommended cleaning and sweeping method is using a brush that in the case of metallic chimneys should not be made of black steel.



A complete inspection should be carried out at least once a year by a qualified technician.

- 1 100 Boiler adaptor
- 2 065 Base plate with drain
- 3 521 Inspection Tee
- 4 528 Inspection Tee
- 5 203 Descending length
- 6 071 Location bra
- 7 020 Straight length 930 mm
- 8 070 Locking band
- 9 852 Finishing plate with storm collar
- 10 012 Weathering cap
- 010 Rain cap

