



# SHIELD<sup>®</sup> MASTER

TWIN WALL FLUE SYSTEMS



Simple  
Effective  
Design.

For the Flue  
Installation  
Professional



Telephone: 01376 555 180

# Our precision engineered Twin wall insulated flue system.

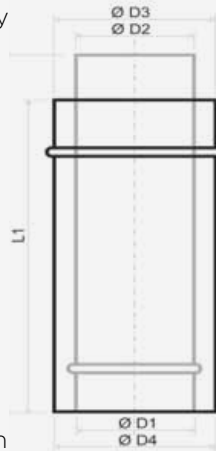
**Shieldmaster<sup>®</sup>** is a precision engineered twin wall insulated flue system offering a complete range of components for every type of installation.

**Shieldmaster<sup>®</sup>** has been crafted with ease of use in mind and utilises a secure push fit connection which when connected with the provided locking band, provides a sealed joint between all parts.

By offering both stainless and matt black finishes, the **Shieldmaster<sup>®</sup>** range is suitable for all locations and is fully CE and HETAS approved for compliance with building regulations and local legislation for smokeless zones and conservation areas.

The intelligent design of **Shieldmaster<sup>®</sup>** allows for only a 60mm safe clearance to combustible materials and every part is covered under the manufacturer's twelve year guarantee. This product really is built to last.

Manufactured in Europe, we are proud to be official dealers of **Shieldmaster<sup>®</sup>** twin wall insulated flue, enabling us to supply the range directly from the factory to you at unbeatable prices. **Shieldmaster<sup>®</sup>** is covered by a 12 year manufacturer's warranty on all parts and a full Installation Guide is available.



## Insulation Properties

**Shieldmaster<sup>®</sup>** utilises Kaminova stone wool 120 with a density of 120kg/m<sup>3</sup> to insulate the twin walls of the flue. By doing so, this 25mm layer of compressed insulation protects the inner skin from rapid cooling and efficiently preserves the heat.

## Approvals

**Shieldmaster<sup>®</sup>** is CE certified for safe and legal operation in the UK, is tested as compliant to EN1856-1:2009, BS 476-20 and is fully approved by HETAS, the official body of solid fuel domestic heating appliances.

## Product Designation

EN:1856-1 T450 N1 D VM L50050 G60

## Material & Construction

Constructed from 0.5mm thick stainless steel, the 316 grade inner wall and 304 grade outer wall are insulated with a one inch layer of compressed stone wool.

## Fuel Compatibility

Solid Fuels (Wood / Coal), Gas and Oil.

## Available Finishes

Stainless and Powder Coated Matt Black.



# SMTWINWALL Straight Lengths



### Available Lengths

1000mm,  
500mm and  
200mm



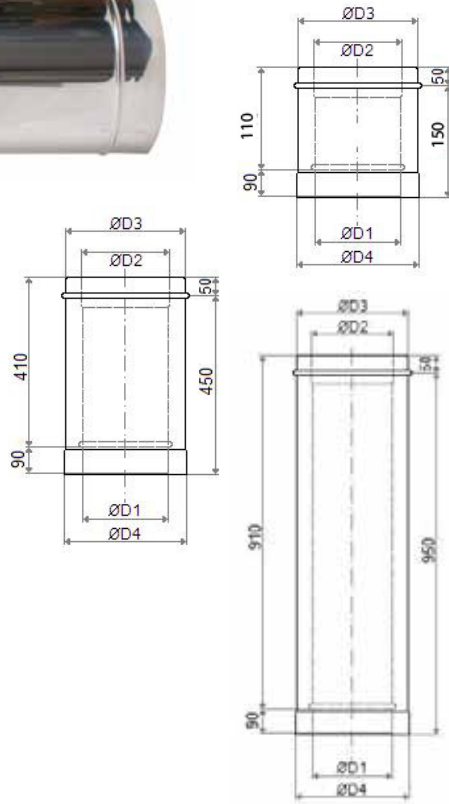
### Connection

Male/Female with  
Locking Band  
Supplied



### Available Finishes

Stainless and  
Powder Coated  
Matt Black



ØD1 (mm)	125	150	175	200
ØD2 (mm)	127	152	177	202
ØD3 (mm)	175	200	225	250
ØD4 (mm)	177	202	227	252

# SMTWINWALL Adjustable Lengths



### Available Lengths

250mm-350mm  
350mm-500mm  
500mm-880mm



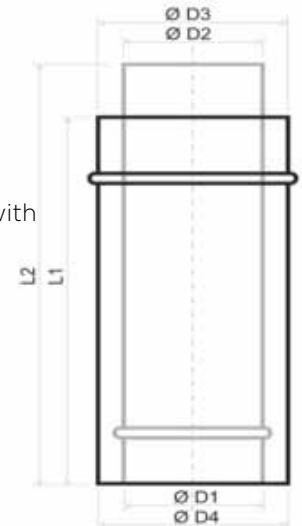
### Available Finishes

Stainless and  
Powder Coated  
Matt Black



### Connection

Male/Female with  
Locking Band  
Supplied



ØD1 (mm)	125	150	175	200
ØD2 (mm)	127	152	177	202
ØD3 (mm)	175	200	225	250
ØD4 (mm)	177	202	227	252
L1 (mm)	500		L2 (mm)	880
L1 (mm)	350		L2 (mm)	500
L1 (mm)	250		L2 (mm)	350



# SMTWINWALL Elbows

## Available Parts

90°, 45°, 30°  
and 15°

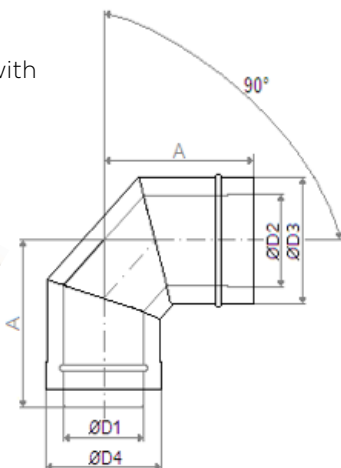
## Available Finishes

Stainless and  
Powder Coated  
Matt Black



## Connection

Male/Female with  
Locking Band  
Supplied

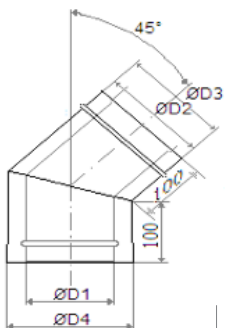


### Degree of Angle - 90°

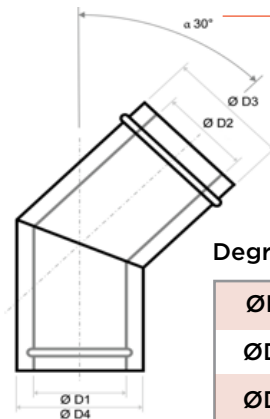
ØD1 (mm)	125	150	175	200
ØD2 (mm)	127	152	177	202
ØD3 (mm)	175	200	225	250
ØD4 (mm)	177	202	227	252

### Degree of Angle - 45°

ØD1 (mm)	125	150	175	200
ØD2 (mm)	127	152	177	202
ØD3 (mm)	175	200	225	250
ØD4 (mm)	177	202	227	252



# SMTWINWALL Elbows

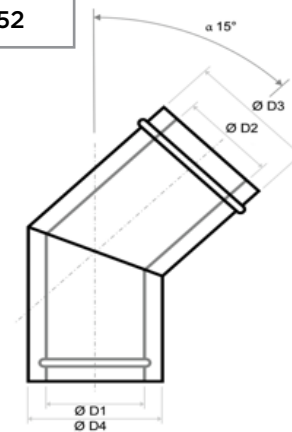
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### Degree of Angle - 30°

ØD1 (mm)	125	150	175	200
ØD2 (mm)	127	152	177	202
ØD3 (mm)	175	200	225	250
ØD4 (mm)	177	202	227	252

### Degree of Angle - 15°

ØD1 (mm)	125	150	175	200
ØD2 (mm)	127	152	177	202
ØD3 (mm)	175	200	225	250
ØD4 (mm)	177	202	227	252



15°



30°



45°



90°

## SMTWINWALL T-Pieces

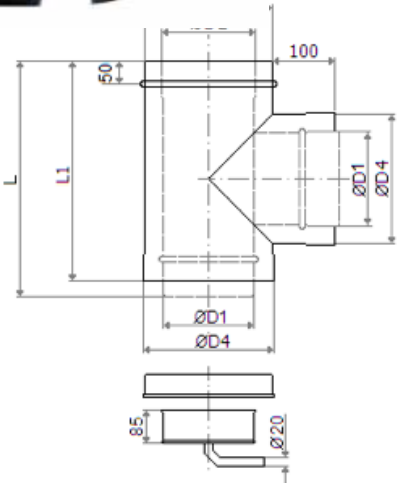


Degree of Angle - 90°

ØD1 (mm)	125	150	175	200
ØD2 (mm)	127	152	177	202
ØD3 (mm)	175	200	225	250
ØD4 (mm)	177	202	227	252
L (mm)	450	460		
L1 (mm)	375	400		

Degree of Angle - 135°

ØD1 (mm)	125	150	175	200
ØD2 (mm)	127	152	177	202
ØD3 (mm)	175	200	225	250
ØD4 (mm)	177	202	227	252
L1 (mm)	480	500		
L2 (mm)	560	580		



135°



90°

## SMTWINWALL Terminals

### Available Finishes

Stainless and  
Powder Coated  
Matt Black



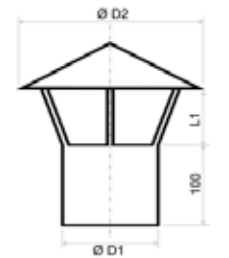
### Connection

Male with Locking  
Band Supplied



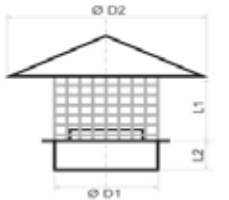
Terminal Type - Standard Rain Cap

ØD1 (mm)	125	150	175	200
ØD2 (mm)	260	300	320	360
(+/-)	0.5	0.5	0.5	0.5
L1 (mm)	90	100	110	120



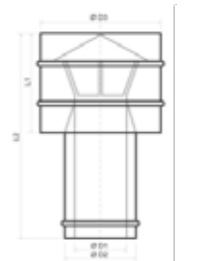
Terminal Type - Rain Cap w/Birdguard Mesh

ØD1 (mm)	175	200	225	250
ØD2 (mm)	270	310	290	290
L1 (mm)	160	170	180	180
L2 (mm)	60	60	60	60



Terminal Type - Anti-Downdraught Cowl

ØD1 (mm)	125	150	175	200
ØD2 (mm)	175	200	225	250
L1 (mm)	200	200	200	200
L2 (mm)	330	330	330	330





## SMTWINWALL Adjustable Wall Supports

### Available Lengths

50mm Fixed,  
50-80mm,  
80-130mm  
and 130-210mm

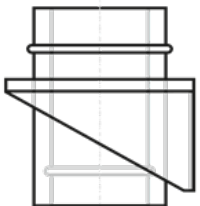
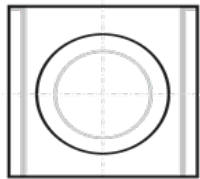
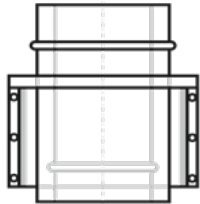
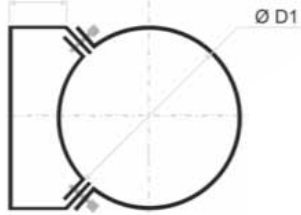
### Available Finishes

Stainless and  
Powder Coated  
Matt Black



Distance from wall    ØD1 (mm)

50mm	175 - 250
50-80mm	175 - 250
80-130mm	175 - 250
130-210mm	175 - 250



## SMTWINWALL Adjustable Base Supports

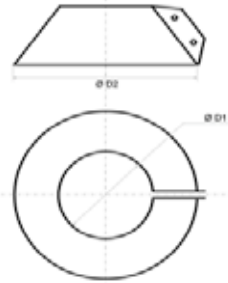
Base supports

ØD1 (mm)	125	150	175	200
ØD2 (mm)	175	200	225	250
Plate (mm)	239x269	264x294	264x294	264x294
Height (mm)	290	290	290	290

## SMTWINWALL Storm Collar

Distance from wall

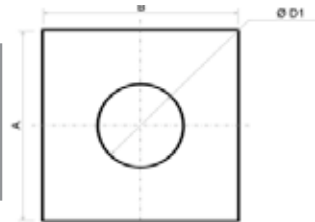
ØD1 (mm)	175	200	225	250
ØD2 (mm)	275	300	325	350



## SMTWINWALL Finishing Plates

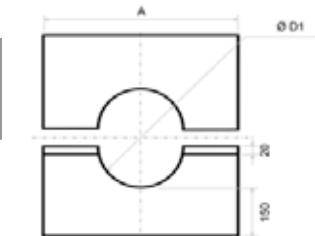
Wall cover (0-30°)

ØD1 (mm)	177	202	227	252
A (mm)	470	500	530	550
B (mm)	470	500	530	550



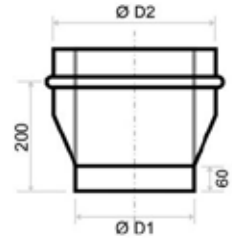
Wall cover (30°-45°)

ØD1 (mm)	177	202	227	252
A(mm)	470	500	530	550



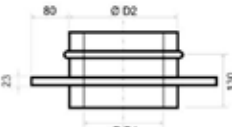
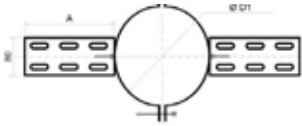


## SMTWINWALL Adapters



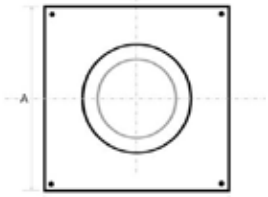
ØD1 (mm)	125	150	175	200
ØD2 (mm)	177	202	227	252
L (mm)	140	140	140	140

## SMTWINWALL Roof & Joist Supports



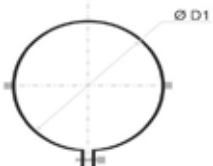
ØD1 (mm)	175	200	225	250
A (mm)	130	130	130	130

## SMTWINWALL Console Plate



ØD1 (mm)	177	202	227	252
ØD2 (mm)	175	200	225	250
A (mm)	335	360	385	410

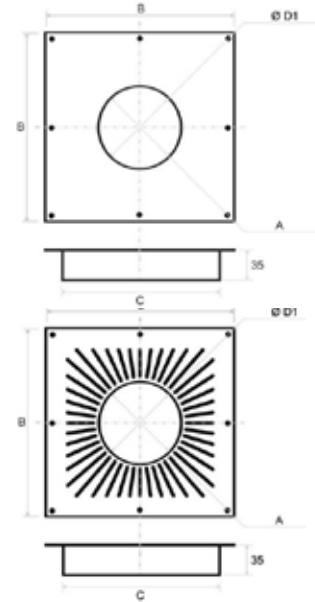
## SMTWINWALL Guy Wire Bracket



ØD1 (mm)	177	200	225	250
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## SMTWINWALL Solid & Ventilated Fire Stop Plates

ØD1 (mm)	175	200	225	250
A (mm)	185	210	235	260
B (mm)	337	362	405	430
C (mm)	297	322	365	390



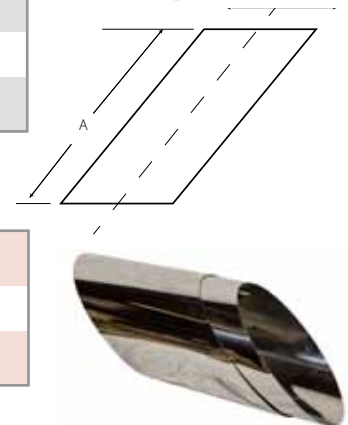
## SMTWINWALL Wall Sleeves

### 45° Sleeve

ØD1 (mm)	175	200	225	250
A(mm)	280	280	280	280
B(mm)	278	311	344	377

### 90° Sleeve

ØD1 (mm)	175	200	225	250
A (mm)	280	280	280	280
B (mm)	198	219	240	261



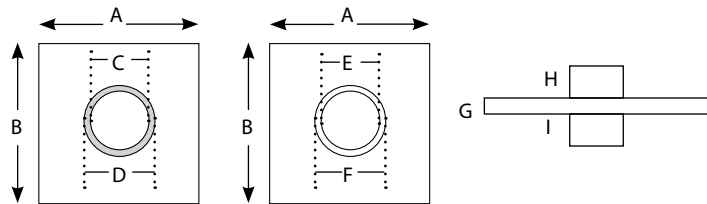
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# Console Plate

with Adapter



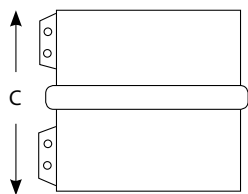
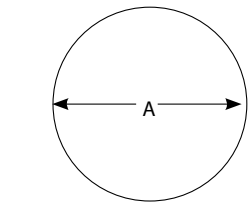
	A	B	C	D	E	F	G	H	I
125	340	340	125	175	115	140	20	105	60
150	365	365	150	200	140	165	20	105	60
175	390	390	175	225	17	190	20	105	55
200	415	415	200	250	190	216	20	100	55



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# Structural Locking Band

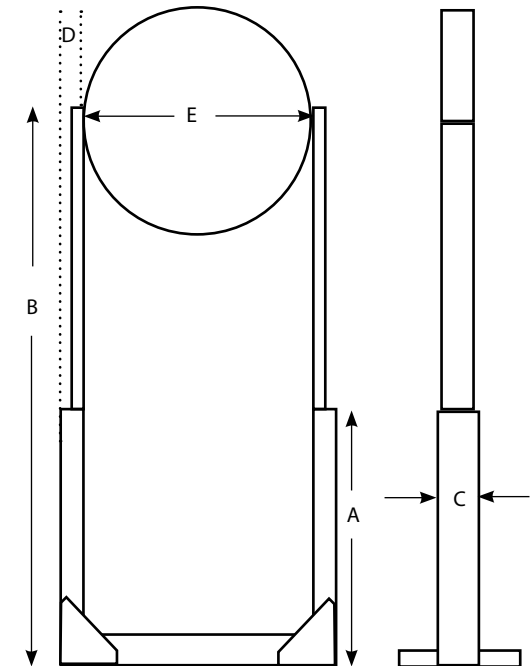
	A	C
125	175	200
150	200	200
175	225	200
200	250	200



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# Adjustable Wall Brackets

	A	B	C	D	E
125	210	430	55	20	175
150	210	430	55	20	200
175	210	430	55	20	225
200	210	430	55	20	250







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