PRODUCT SHEET · SINGLE-WALL FLUE SYSTEM

Single-wall stainless IE series

316L stainless steel for relining an existing chimney and for the connecting flue. With seal for gas and oil, without seal for wood and pellets.

Ø60 - Ø500

EN

The system · pipe, 87° elbow, 87° tee and draught cowl

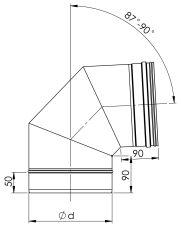


Technical data

Construction	single wall, spigot and socket, 50 mm insertion
Material	316L stainless steel (1.4404)
Wall thickness	0.5 mm up to Ø200, 0.6 mm from Ø220
Diameters	Ø60 to Ø400, some components up to Ø450 or Ø500
With seal	silicone seal, positive pressure P1 (200 Pa) and H1 (5000 Pa), up to 200 °C
Without seal	negative pressure N1, up to 600 °C, soot-fire resistant (G)
Compressive and tensile strength	20 m height up to Ø200, 15 m from Ø220
Standard and CE	EN 1856-2:2009 · DoP-001/01 · certificate 1397-CPR-0182

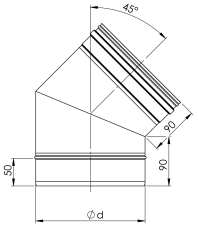
Dimensional sketches · dimensions in mm

Elbow 87° and 90°



50 mm insertion, straight parts 90 mm

Elbow 45°



50 mm insertion, straight parts 90 mm

Components and item codes

Component	Code	Ø
Pipe 1 m	IE100··	60-450
Pipe 50 cm	IE50··	60-400
Pipe 25 cm	IE25··	60-400
Adjustable pipe	IEPP··	80-400
Elbow 15°	IEB15··	60-400
Elbow 30°	IEB30··	60-400
Elbow 45°	IEB45··	60-450
Elbow 87°	IEB87··	60-450
Elbow 90°	IEB90··	60-400
Inspection elbow 90°	IEBI90··	80-300
Tee 45°	IET45··	80-400
Tee 87°	IET87··	60-450
Tee 90°	IET90··	60-400

Component	Code	Ø
Tee 90° with Ø80 branch	IETV08··	100-500
Double socket	IEDM··	60-500
Double spigot	IEDS··	60-500
Locking band	IEKBI··	100-500
Condensate drain cap	IERBK··	60-400
Base plate with side drain	IEAPU··	80-500
Wall support element	IEAPO··	80-400
Inspection element	IEI··	80-400
Wall band 50 mm	IEMB··	80-400
Rain cap	IEMS··	60-500
Draught cowl	IEK··	80-400
End cap	IETE··	80-400

Code = prefix + inner diameter in three digits, e.g. IEB87 + 150 = IEB87150 (elbow 87°, Ø150)

Also in the series: tee 90° with cleaning door, tee 45° and double tee with Ø80 branch, increasers and reducers (also eccentric), test and condensate elements, brackets, wall band 100 mm, pin, lowering and guy wire brackets, spacers, roof and floor supports, roof terminals and flashings (also lead), storm collar, chimney top plates, terminal with mesh, wind-proof cowl, horizontal terminal, finishing plates, silicone and Viton seal rings.

Not every intermediate size exists for every component; the webshop shows which ones do. Locking band Ø80: IEKBI08.

Standard and designation · EN 1856-2

According to declaration of performance DoP-001/01, notified body 1397. T200 with seal, T600 without. O: not soot-fire resistant, G: soot-fire resistant. In brackets the distance to combustibles in mm.

Ø	designation
80-200	T200-P1/H1-W-V2-L50050-O(100)
	T600-N1-W-V2-L50050-G(500)
220-500	T200-P1/H1-W-V2-L50060-O(100)
	T600-N1-W-V2-L50060-G(500)

Applications

- **Relining an existing chimney**
  liner in masonry, renovation
- **Connecting flue**
  from the appliance to the chimney
- **Wood, pellets and coal**
  without seal, T600 and soot-fire resistant
- **Gas and oil, also condensing**
  with silicone seal, positive pressure up to 200 °C

Wood and coal always without seal. A horizontal section gets at least 3° slope.

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Dimensions subject to change. Prices and lead times on www.ventichim.be.