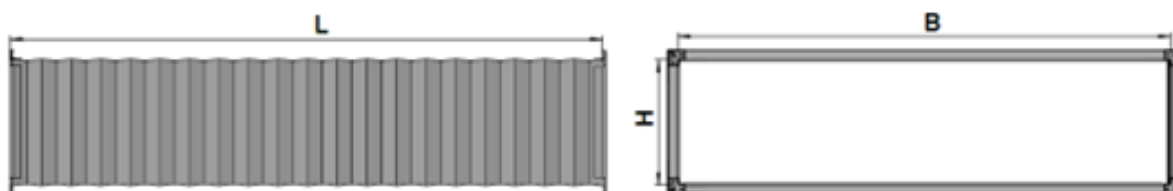


Smoke control duct sections DS:

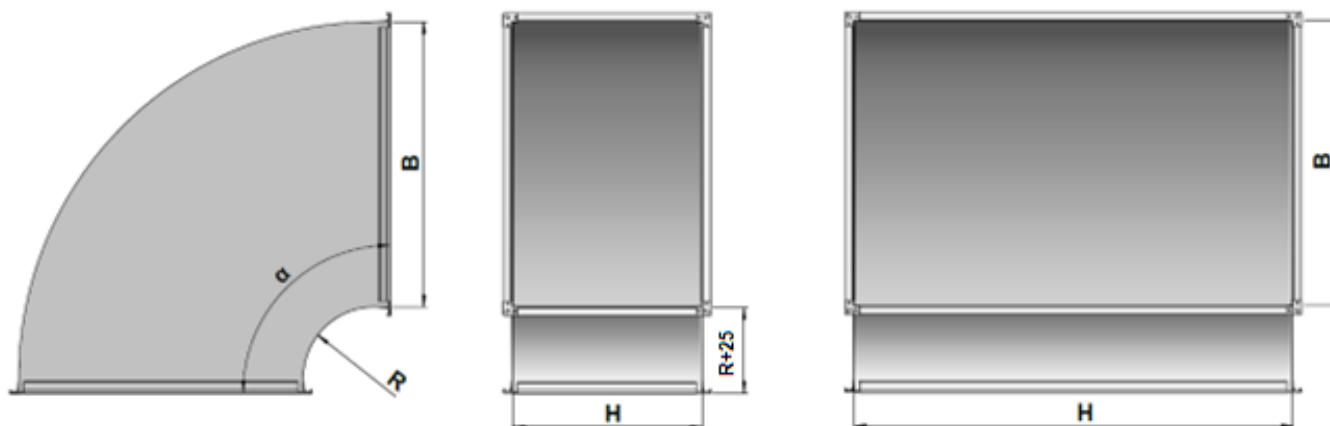
- Designed for smoke extraction from a single fire compartment
- Classification: E₆₀₀ 120 (h_o) S1500single according to LST EN 13501-4
- Maximum dimensions: 1250 x 1000 mm
- Manufactured from 1.0 mm thick galvanized sheet steel DX51D+Z200-275 according to LST EN 10346

1) Straight smoke control duct sections DS-ST:



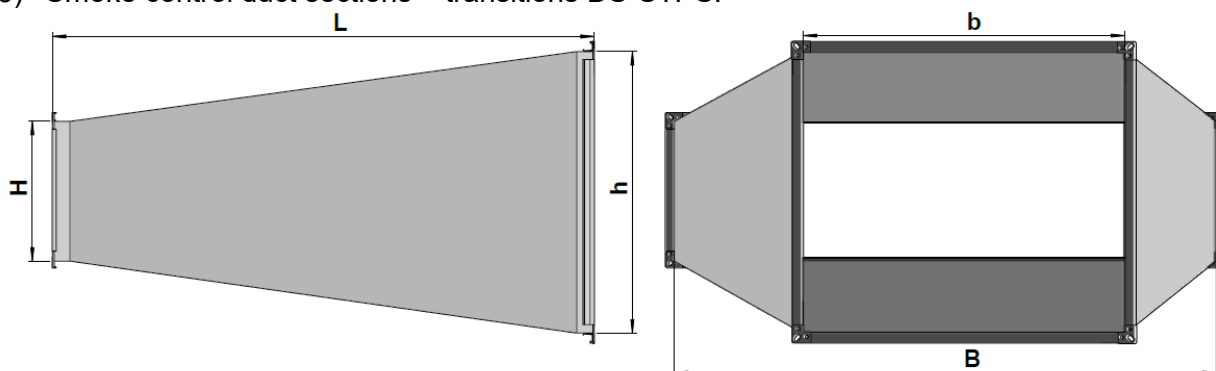
*B – horizontal side, width
H – vertical side, height
L – length, maximum L = 1500 mm*

2) Smoke control duct sections – elbows DS-STA- α :



*B – width, first side, mm
H – height, second side, mm
 α – elbow bend angle, from 5° to 90°
R – bending radius, standard r = 125 mm*

3) Smoke control duct sections – transitions DS-STPS:



B – first side of the larger end (largest perimeter) (widest side)

H – second side of the larger end

b – side of the smaller end parallel to B

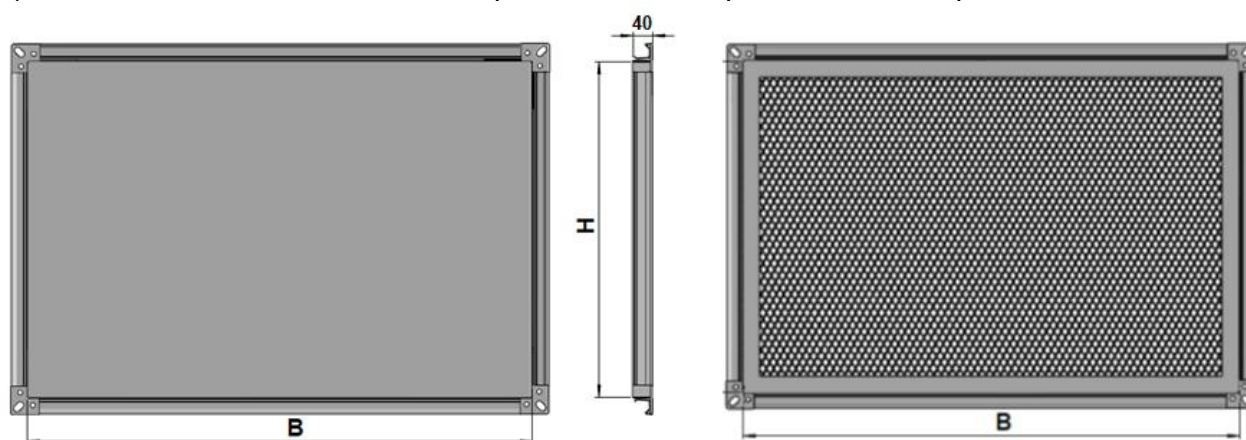
h – side of the smaller end parallel to H

β – angle $< 60^\circ$

L – standard length determined by the difference between sides B and b or H and h depending on which difference is greater:

$ B - b $, mm	≤ 230	≤ 280	≤ 340	≤ 400	≤ 460	≤ 510	≤ 570	≤ 630
L , mm	250	300	350	400	450	500	550	600

4) Smoke control duct section end caps DS-STAK and perforated end cap DS-STAKT:

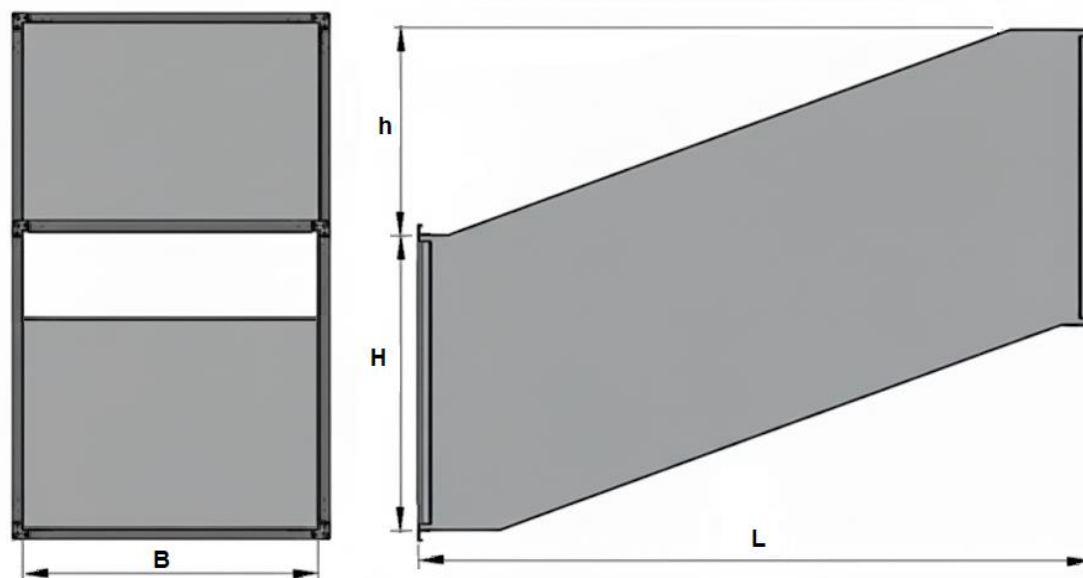


B – first side (widest side)

H – second side

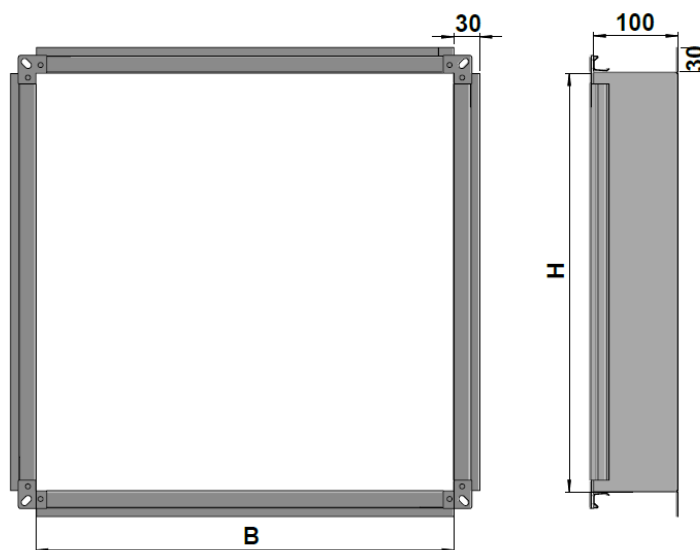
L – L – length, $L = 40$ mm

5) Smoke control duct sections – offsets DS-AST:



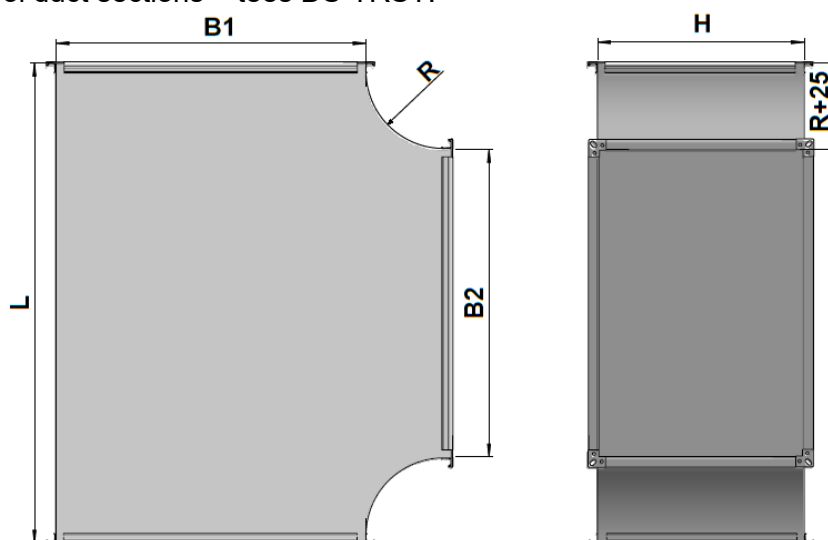
B – width (first side)
H – height (second side)
h – height level offset (elevation difference)
L – length

6) Smoke control duct section branches DS-PSTB:



B – first side (widest side)
H – second side

7) Smoke control duct sections – tees DS-TRST:



B1 – main duct width

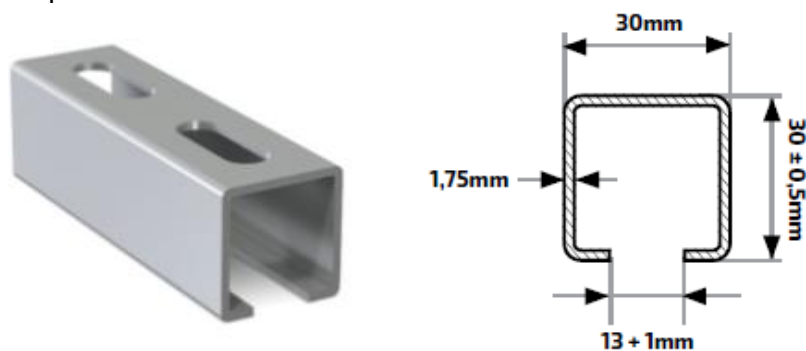
B2 – branch width

H – height

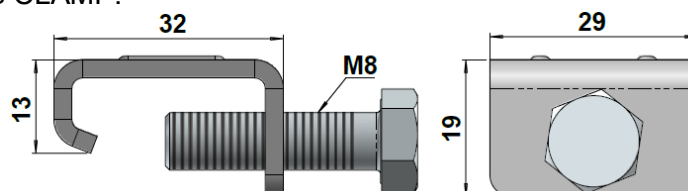
R – bending radius, standard 125 mm

L – main duct length, $L = B2 + 2 \times R + 50 \text{ mm}$

8) U-channel support profile:



9) Connecting clamps CLAMP:



10) Kerafix 2000 Classic gasket 30x6 mm, length L = 10 m:



**! During installation, only the specified materials must be used;
no alternatives are allowed.**