

UNIVERSAL, EFFICIENT ROOF OUTLETS

- Up to 740 m² of roof area served by standard roof outlet,
- Dedicated flanges to roofs covered by: PVC, FPO, TPO, Bitumen,
- Dedicated heating elements,
- Available diametres: DN75, DN90.

COMPLEX SOLLUTUONS

- Dedicated roof outlets for metal & concrete gutters,
- Temporary and adjustable emergency roof outlets in offer,
- Diameter range: DN40-DN315,
- 2 ways of welding & 3 ways of fixing available.

CHECKED AND LONGLIFE SOLUTIONS

- PEHD ensure longlasting and safe connections,
- Double use of PEHD as material: siphonic & gravitary roof drainage,
- Up to 15 years system's warranty available*,
- Hundreds of refference objects worldwide.

* On chosen markets.

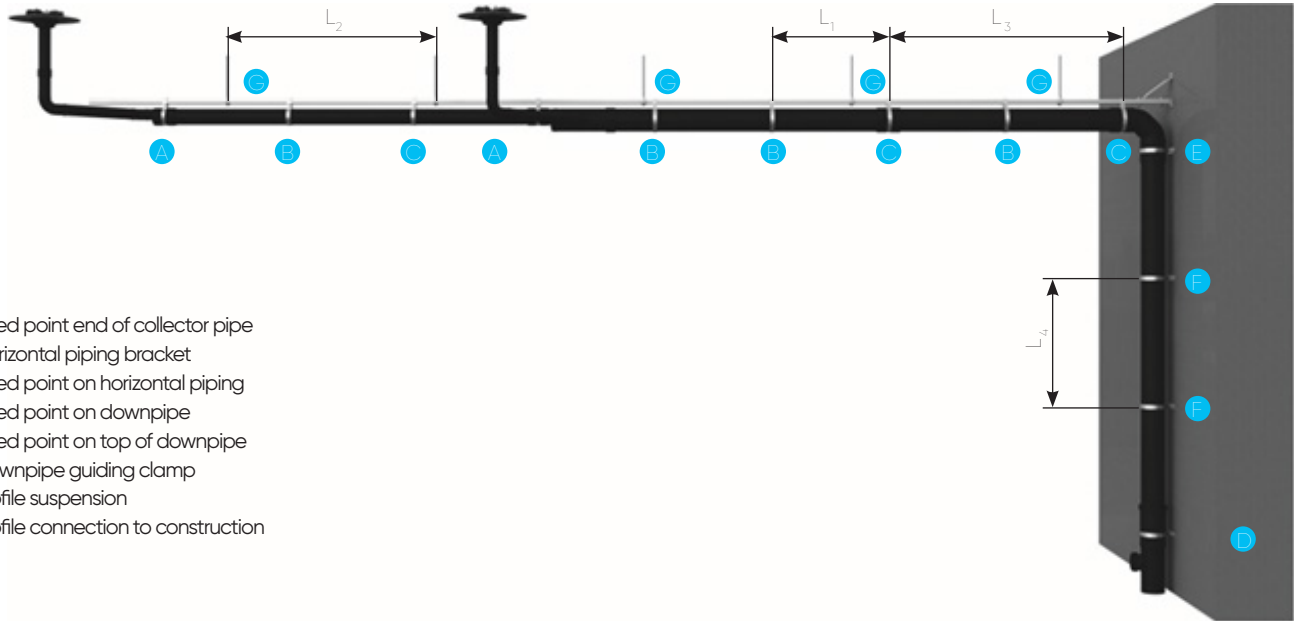
SAFE & QUICK FIXING

- Unique bracketing system, improving the safety level and reducing fixing time,
- Free lease of Buttwelders & Electrofusion welders*,
- Manufacturing & Logistic Hub in Eastern Europe (Poland),
- Partnership and tool offers for Installers.

PROFESSIONAL & QUICK SUPPORT

- Projects in max. 5 office days,
- Free trainings for: Designers, Installers, Wholesellers,
- CAD/BIM Libraries free of charge,
- Technical support on each stage of investment proces.

Efficient and safe option for siphonic roof drainage



- A** Fixed point end of collector pipe
- B** Horizontal piping bracket
- C** Fixed point on horizontal piping
- D** Fixed point on downpipe
- E** Fixed point on top of downpipe
- F** Downpipe guiding clamp
- G** Profile suspension
- H** Profile connection to construction

FIXED POINT LOCATION

- Every 10 m. of horizontal piping. At beginning/end of collector pipe,
- Before direction change,
- Before reduction,
- Before Y-Branch.

FIXING TO BUILDING CONSTRUCTION (RECOMMENDED)

- beginning/end of collector pipe,
- each 12 m. of horizontal piping,
- change of horizontal piping direction,
- wall transmission (both sides).

| Diameter (d), Pipe (mm) | Profile (mm) | Max. distance of clamping on the horizontal L ₁ (m) | Max. distance of profile suspension L ₂ (m) | Max. distance of fixed point (horizontal) L ₃ (m) | Max. distance on the vertical piping L ₄ (m) |
|----------------------------|-----------------|--|--|---|---|
| 40, 50, 56, 63 | 30 x 30 | 0,85 | 2,50 | 10,00 | 1,00 |
| 75, 90 | 30 x 30 | 0,85 | 2,50 | 10,00 | 1,25 |
| 110 | 30 x 30 | 1,00 | 2,50 | 10,00 | 1,65 |
| 125 | 30 x 30 | 1,25 | 2,50 | 10,00 | 1,65 |
| 160 | 30 x 30 | 1,65 | 2,00 | 10,00 | 2,50 |
| 200 | 30 x 30 | 1,65 | 1,65 | 10,00 | 2,50 |
| 250 | 41 x 41 | 1,65 | 1,65 | 10,00 | 2,50 |

Total weight of system, filled by the water & fixing elements

| d ₁ (mm) | 40 | 50 | 56 | 63 | 75 | 90 | 110 | 125 | 160 | 200 | 250 | 315 |
|---------------------|-----|-----|------|------|------|------|------|------|------|------|------|-------|
| G (kg/m) | 2,9 | 3,7 | 4,2 | 4,8 | 6,2 | 8,1 | 11,2 | 14,0 | 21,8 | 33,3 | 51,9 | 81,0 |
| F (kg/T) | 7,4 | 9,1 | 10,4 | 12,1 | 15,4 | 20,3 | 28,1 | 35,0 | 43,7 | 55,0 | 85,7 | 133,7 |

F = Total force in suspension point by maximal fixing distance.

Max. distance of profile suspension as a function of max. available force*

| d ₁ (mm) | 15 kg/m ² L ₂ | 20 kg/m ² L ₂ | 25 kg/m ² L ₂ | 30 kg/m ² L ₂ | 35 kg/m ² L ₂ | 40 kg/m ² L ₂ | 45 kg/m ² L ₂ | 50 kg/m ² L ₂ |
|---------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 40, 50, 56, 63 | 2,50 | 2,50 | 2,50 | 2,50 | 2,50 | 2,50 | 2,50 | 2,50 |
| 75 | 2,40 | 2,50 | 2,50 | 2,50 | 2,50 | 2,50 | 2,50 | 2,50 |
| 90 | 1,80 | 2,50 | 2,50 | 2,50 | 2,50 | 2,50 | 2,50 | 2,50 |
| 110 | 1,30 | 1,80 | 2,20 | 2,50 | 2,50 | 2,50 | 2,50 | 2,50 |
| 125 | 1,10 | 1,40 | 1,80 | 2,10 | 2,50 | 2,50 | 2,50 | 2,50 |
| 160 | - | - | 1,10 | 1,40 | 1,60 | 1,80 | 2,00 | 2,00 |
| 200 | - | - | - | - | 1,10 | 1,20 | 1,40 | 1,50 |
| 250 | - | - | - | - | - | - | - | - |
| 315 | - | - | - | - | - | - | - | - |

*By L₂ values below 1.0 m. typical connection with buildings' construction is not possible. In this case, there are recommended supporting construction systems (should be considered to improve stresses balance) or systems which will allow suspending profiles to steel construction beams.