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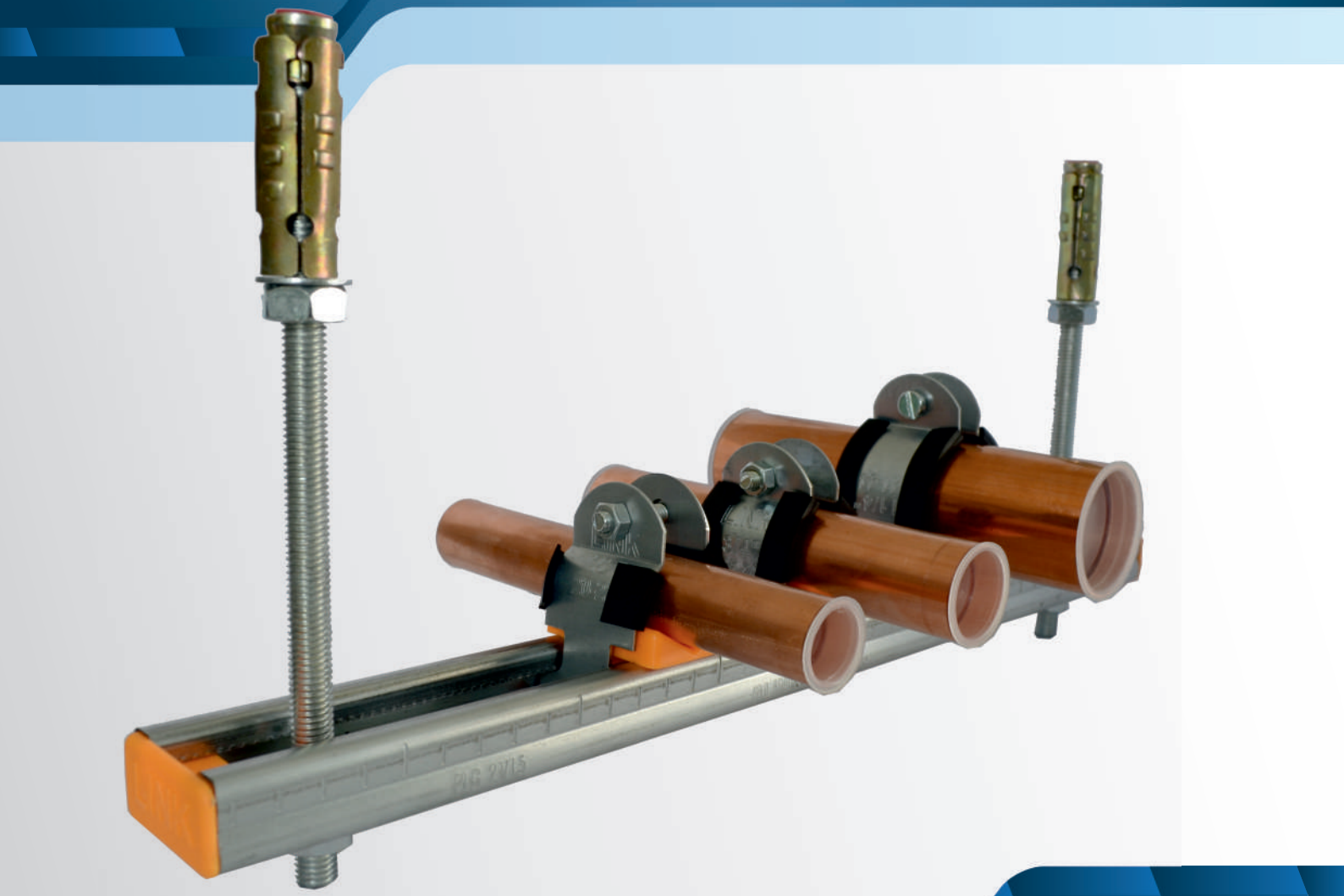
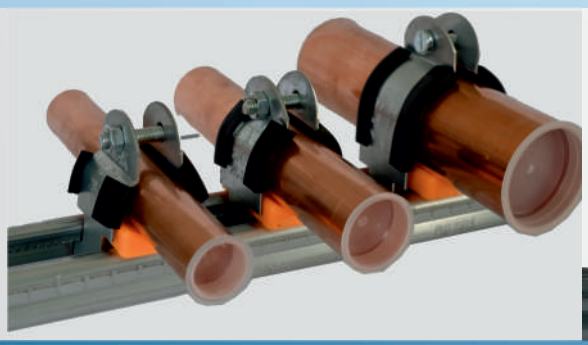
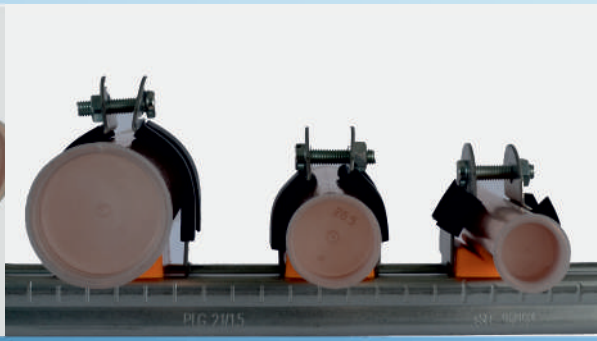
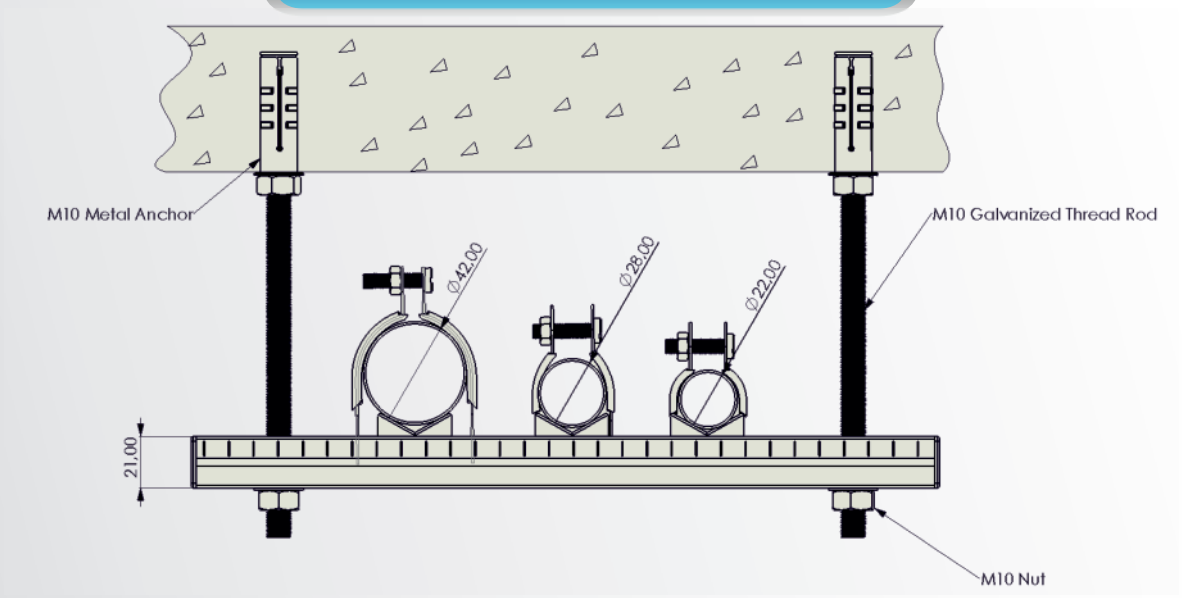
# MEDICAL GAS PIPELINE SUPPORT SYSTEMS










All materials used are fully comply with comply with Medical Gas Pipeline Systems standards as HTM 02-01, C11, EN ISO 7396 and NFPA 99.

- It is used as pipe fixing element on horizontal and vertical surfaces.
- It is fixed with steel anchor.
- It is used for medical gas lines.
- It is coated with Zinc Plated against corrosion.

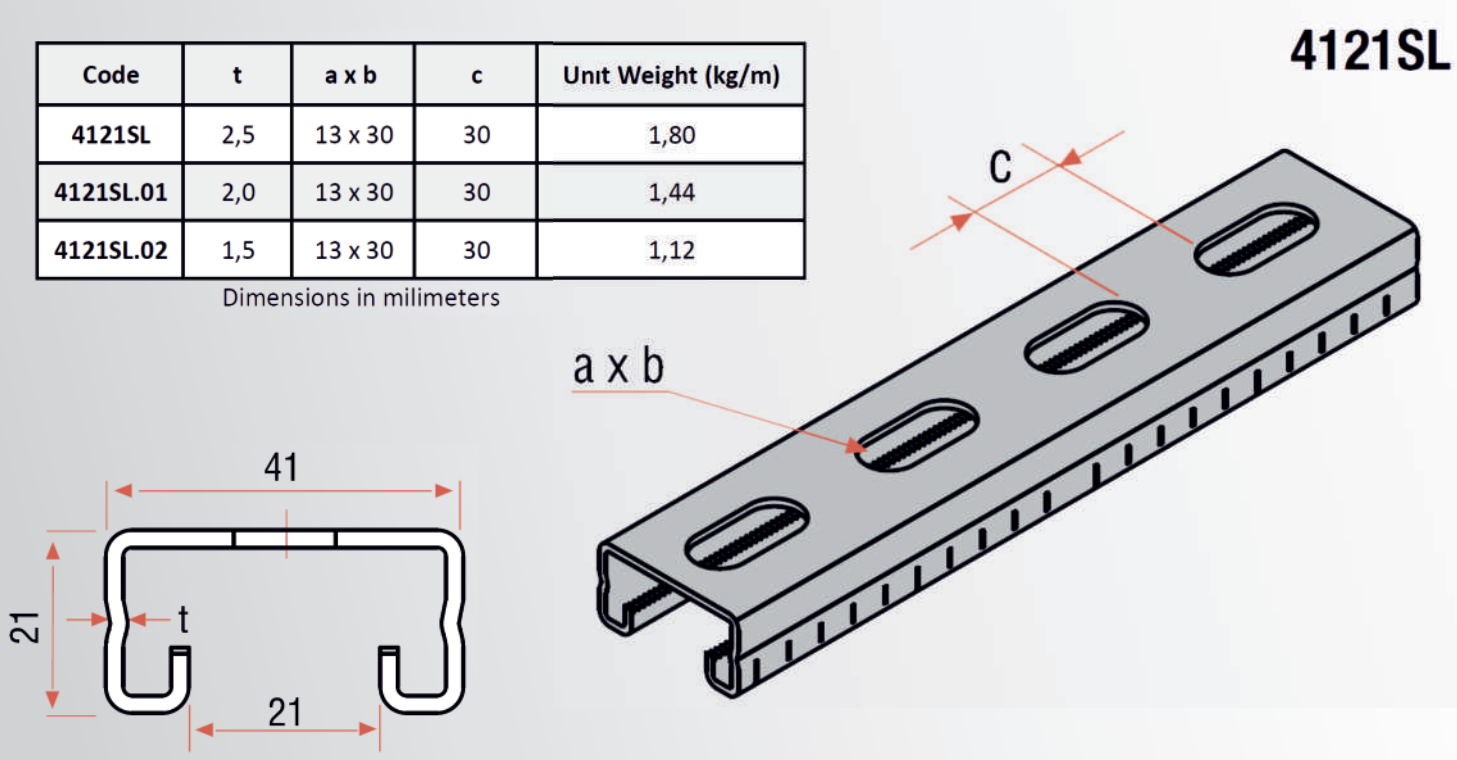
## PROFILE

***PROLINK G 41 x 21 x 1,5 - 2,0 - 2,5 mm***

- Standard lenght: 4.000, 6.000 mm

| Code | t | a x b | c | Unit Weight (kg/m) |
|---|---|---|---|---|
| 4121SL | 2,5 | 13 x 30 | 30 | 1,80 |
| 4121SL.01 | 2,0 | 13 x 30 | 30 | 1,44 |
| 4121SL.02 | 1,5 | 13 x 30 | 30 | 1,12 |

Dimensions in milimeters



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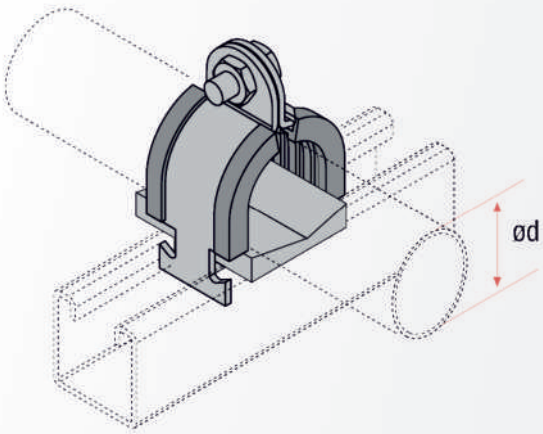
## PIPE HANGERS

### Insulation Pipe Clamp

- Material: Steel, Polyproplene
- Standard Finish: Zinc Plated (EN ISO 2081)



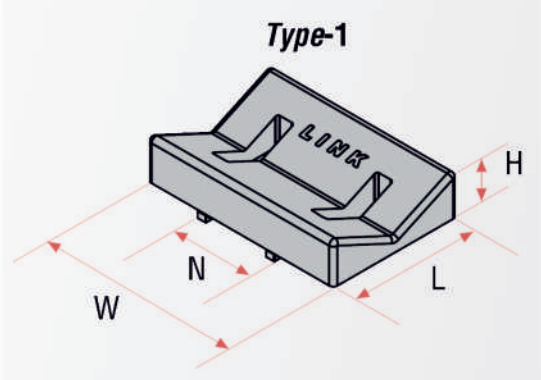

**PLPT-*Dimensions***

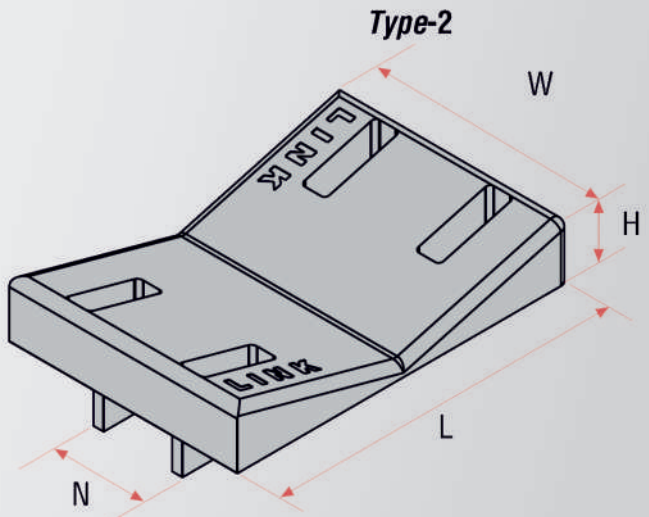
| Code | Ød | Pipe Size(Ø) | L | W | N | H | Type |
|---|---|---|---|---|---|---|---|
| PLPT.2010 | 15-20 | 15 | 30 | 45 | 21 | 10 | |
| PLPT.2015 | 22-24 | 22 | 30 | 45 | 21 | 10 | |
| PLPT.2020 | 28-32 | 28 | 30 | 45 | 21 | 10 | |
| PLPT.2025 | 35-39 | 35 | 30 | 45 | 21 | 10 | 1 |
| PLPT.2032 | 42-46 | 42 | 30 | 45 | 21 | 10 | |
| PLPT.2040 | 48-54 | 54 | 30 | 45 | 21 | 10 | |
| PLPT.2065 | 76-80 | 76 | 30 | 45 | 21 | 10 | |
| PLPT.2100 | 108-116 | 108 | 80 | 55 | 21 | 15 | 2 |

Dimensions in milimeters

### Pipe Rest

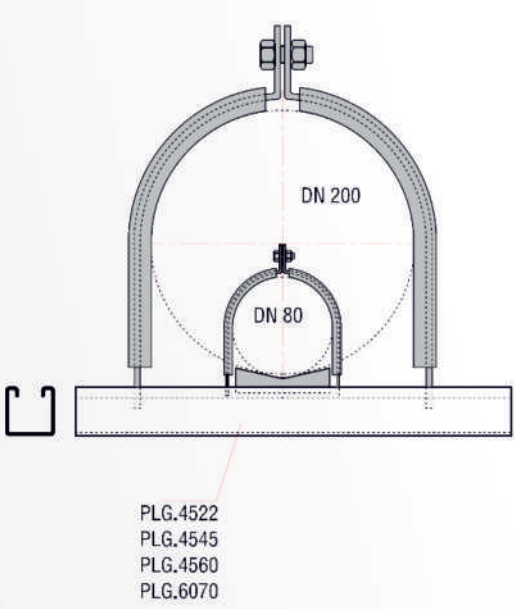
- Material: Polyproplene
- Tempeture Resistance: -30°C ~ +90°C

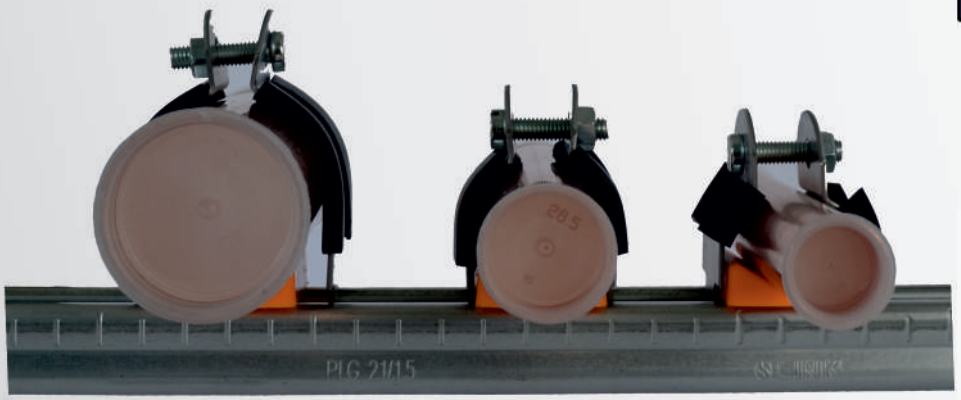


## Isolation Rubber

- Material: EPDM
- Tempeture Resistance: -30°C ~ +110°C
  (EPDM rubber can not be used for thermal insulation.)



## Anchor

| Model | Dia(d) | Drill Radius(D) | Stand. Rod Lenght(L) | Design Load(kN) | Recommended Tensile Load(kN) | Recommended Shear Load(kN) |
|---|---|---|---|---|---|---|
| Rod Type | M.6 | 10 | M.6 | 10,00 | 4,00 | 3,1 |
| | M.8 | 12 | M.8 | 12,00 | 6,00 | 6,3 |
| | M.10 | 16 | M.10 | 16,90 | 9,20 | 9,2 |
| | M.12 | 18 | M.12 | 26,00 | 12,10 | 13,4 |

Dimensions in milimeters

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## Pipe Support interval,

According to HTM 02-01 Chapter 13.44; 'The pipeline should be adequately supported at sufficient intervals in accordance with Table 26 to prevent sagging or distortion. Supports for surfacemounted pipework should provide clearance to permit painting of the surface. Where it is essential for pipes to cross electric cables or conduit, they should be supported at intervals on either side of the crossing to prevent them from touching the cables or conduit. Supports should be of suitable material or suitably treated to minimise corrosion and prevent electrolytic reaction between pipes

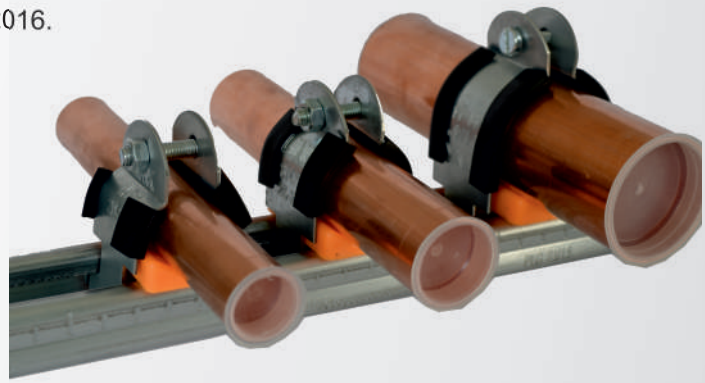
HTM 02-01 Table 26 Intervals between copper pipe supports (horizontal and vertical)

| Outside diameter (mm) | Maximum interval between supports (m) |
|---|---|
| Up to 15 | 1.5 |
| 22-28 | 2.0 |
| 35-54 | 2.5 |
| > 54 | 3.0 |
| Note: Consideration should be given to additional supports near LVAs, elbows etc where the potential effects of inadvertently applied torque can result in severe pipeline distortion or fracture. | |

## Pipe distances from other services;

According to HTM 02-01 Chapter 13.8; 'Wherever practicable, a clearance of at least 25 mm should be maintained between each service and 150 mm should be the separation distance between the medical gas pipeline and heating pipes, hot water service and steam pipelines. Where pipelines cross over other services and a clearance of 25 mm cannot be maintained, they should be electrically bonded and wrap-insulated, in accordance with IEE regulations. They should be bonded to main earth at building entry and exit. Care is required when selecting pipeline routes to prevent the pipes coming into contact with electric cables and wiring, and to minimise the risk of electric shock in the event of a fault on adjacent cables.'

In any case, If above required distances can not be achieved. 50 mm distance from other services shall be acceptable in accordance with ISO 7396:2016.



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