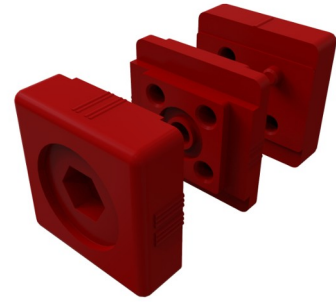


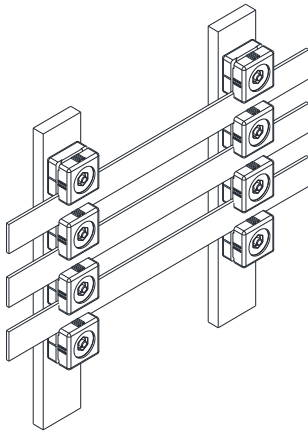
The PU universal rodholders are assembleable blocks which resolve in a neat and rational way the mechanical assembly of non-insulated power bus bars.

They are made in polyglass, polyester material reinforced with fiberglass, in red colour.

Where aggressive environment applications (moisture, dust, etc.) an o-ring could be added between blocks in order to improve the insulation with its central bolt.

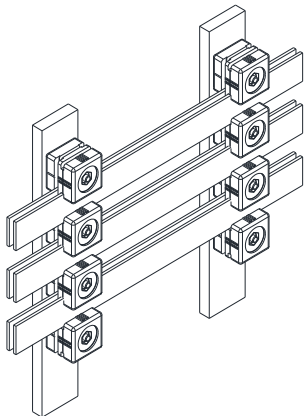


1 BAR ASSEMBLIES



| Thickness (mm) | Art. | Symbols | | Bolt |
|-------------------|-----------|---------|---------|--------|
| | | PU1 | PU2 | |
| 4 | PU1 + PU2 | O | II II | M10x70 |
| 5 | PU1 + PU2 | I | IIII | M10x70 |
| 6 | PU1 + PU2 | O | III III | M10x70 |
| 7 | PU1 + PU2 | I | III III | M10x70 |
| 9 | PU1 + PU2 | II II | II II | M10x70 |
| 10 | PU1 + PU2 | II II | III III | M10x70 |
| 12 | PU1 + PU2 | III III | III III | M10x70 |

2 BAR ASSEMBLIES



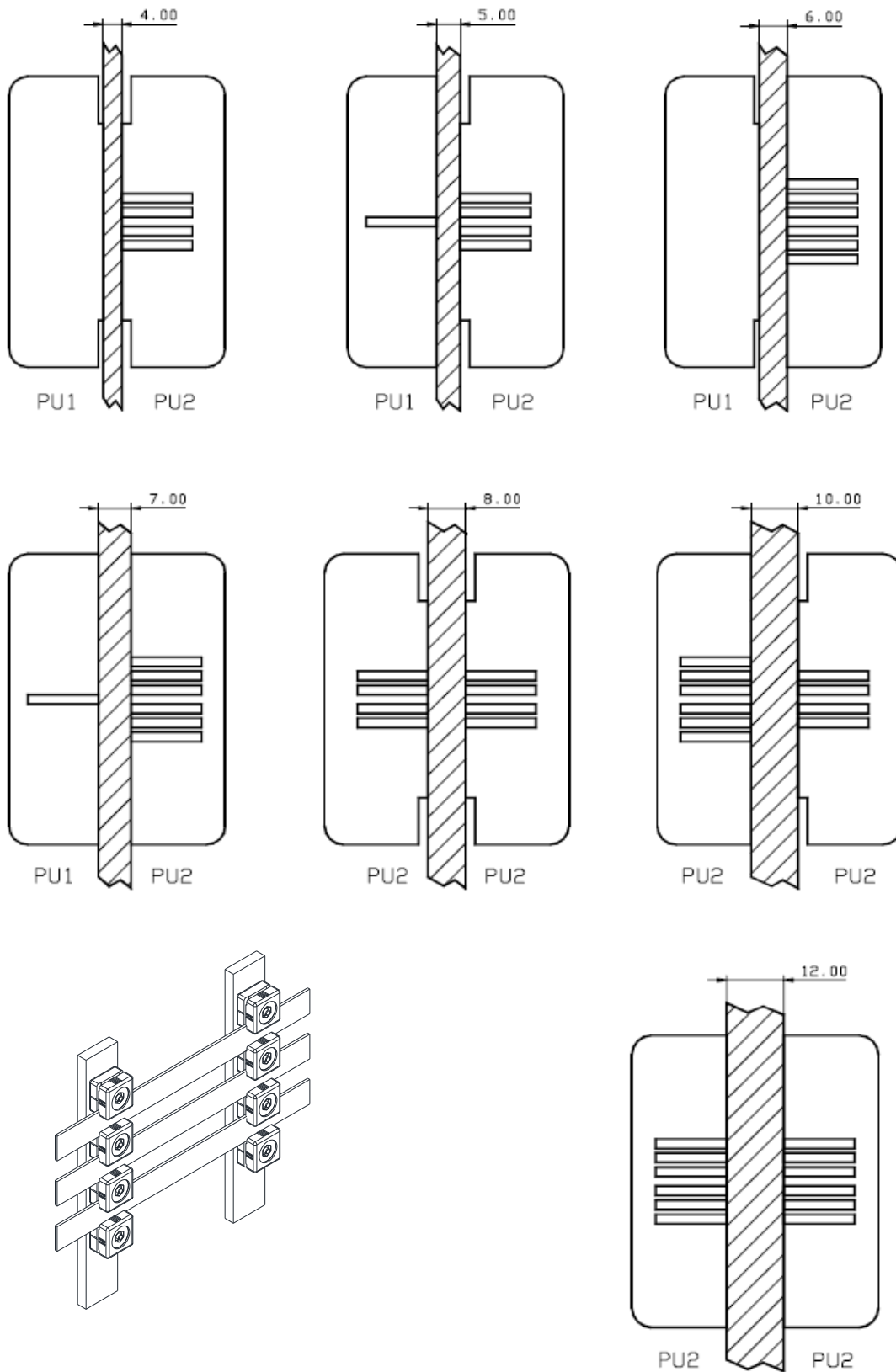
| Thickness (mm) | Art. | Symbols | | Bolt |
|-------------------|-----------------|---------|---------|--------|
| | | PU1 | PU2 | |
| 8 | PU1 + PU2 + PU3 | O | III III | M10x90 |
| 10 | PU1 + PU2 + PU3 | III III | III III | M10x90 |

A PU3 must be assembled in between.

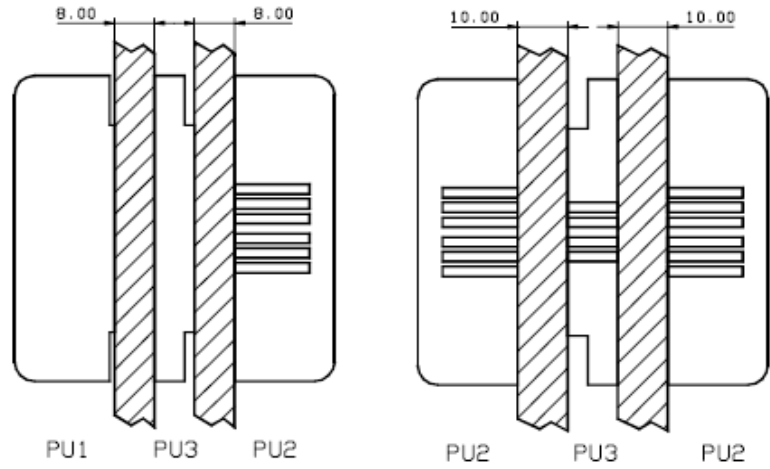
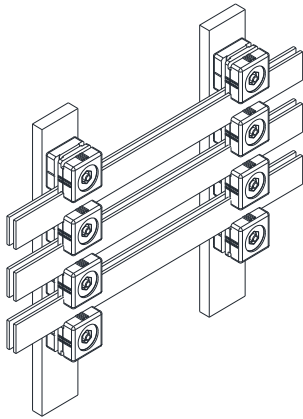
TECHNICAL CHARACTERISTICS

| Operating temperature | Fire reaction | Mechanical strenght | Water absortion | Dielectric strenght |
|-----------------------|---------------|---------------------|-----------------|-------------------------------------|
| -40°C +130°C | UL94-VO class | 3800 kg | <0.2% | 22 kV/mm @ 23°C 23 kV/mm @ 120°C |

MECHANICAL ASSEMBLIES EXAMPLES

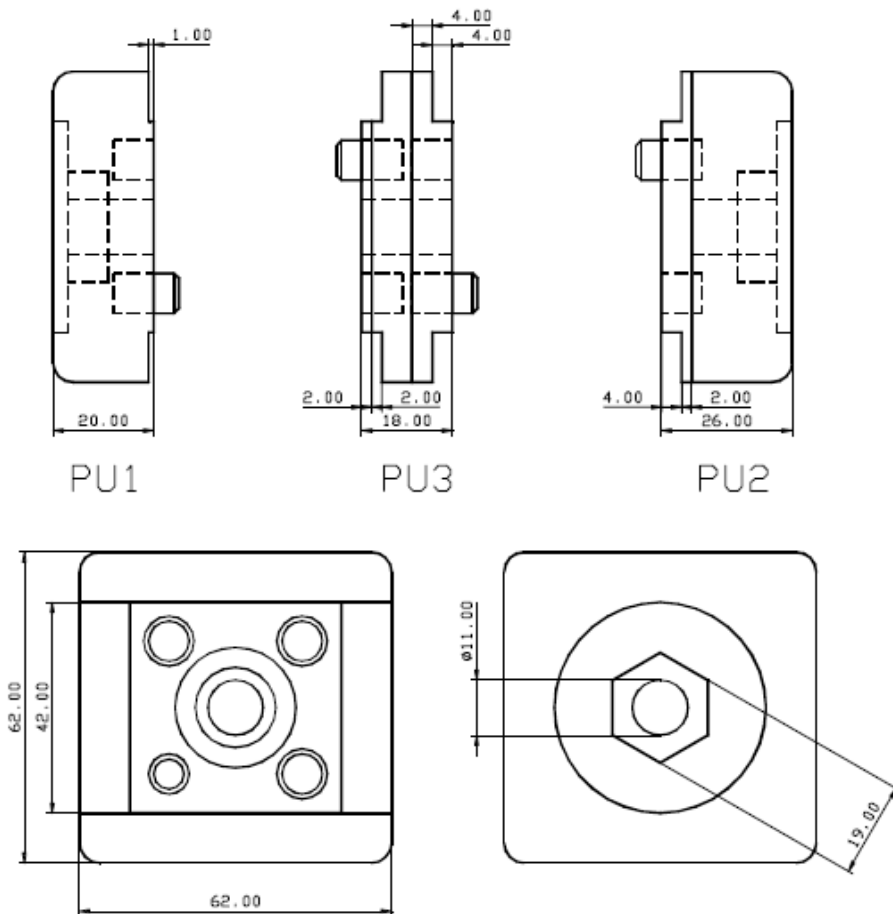


In case you are using o-rings between blocks, those should be 16.00 x 4.00 (or 3/4" x 18).



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DRAWINGS AND DIMENSIONS



TECHNICAL CHARACTERISTICS (POLYGLASS)

| <i>Property</i> | <i>Standard</i> | <i>Value</i> |
|----------------------------|-----------------|-----------------------|
| Flexural strength | ISO R 178 | 80 N/mm ² |
| Flexural modulus | ISO 178 | 7 GPa |
| Impact strength | ISO 179 | 25 kJ/m ² |
| Hot deflection temperature | ISO 75 | > 200 °C |
| Hardness | UNI 4278 | 80 HRM |
| Linear shrinkage | ISO 2577 | 0.18% |
| Flammability | UL 94 | V0 >3mm |
| Dielectric strength | IEC 60243-1 | 12 kV/mm |
| Tracking resistance | IEC 60112 | CTI >600 -0.0 |
| Arc resistance | ASTM D495 | >180 s |
| Density | ISO 1183-1 | 1.8 g/cm ³ |
| Water absorption | ISO 62 | <0.2 % |
| Color | RAL | RAL 3002 (red) |



Our Polyester insulators are in conformity with DIRECTIVE 2006/95/EC (Electrical equipment designed for use within certain voltage limits). Directive 2006/95/EC is a codifying Directive which brings together in one text the "original" Low Voltage Directive 73/23/EEC6 with its subsequent amendments. Directive 2006/95/EC came into force and repealed Directive 73/23/EC as from 16th January 2007. The Directive applies to all electrical equipment designed for use with a voltage rating of between 50 and 1000 V for alternating current and between 75 and 1500 V for direct current. The CE marking is placed on the electrical equipment or, where this is not practically possible, on the packaging.



This polyester insulators are molded of Underwriters Laboratories Incorporated recognized flame-resistant fiberglass-reinforced polyester molding compound.



Conformity according to EN 45545 part 2 : Railway application- Fire protection on railway vehicles - Part 2: Requirements for fire behaviour of materials and components.

Test results :

Spread of flame : HL3 / Smoke : HL2 / Toxicity : HL3 / Heat release : HL2 / Final classification : HL2

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