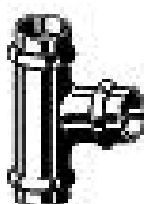
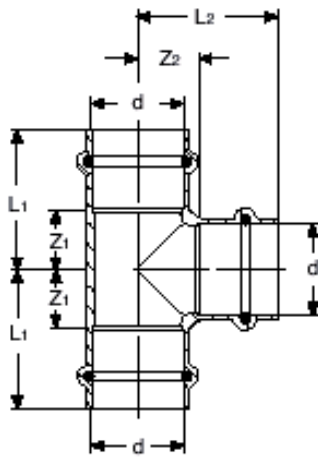


| <div>CHANTIERS DE L'ATLANTIQUE</div> <div>STANDARD ELEMENTAIRE ELEMENT STANDARD</div> | | <div>TE EGAL A 90° - TRIPLE FEMELLE RACCORD PAR SERTISSAGE EN CUIVRE TRIPLE FEMALE 90° EQUAL TEE COPPER CRIMPING UNION</div> | | | | <div>BRETU100P8ID02409 BRETU100P8ID02411 BRETU300P8ID02409</div> <div>B.52.56.U1.03REV. E</div> <div>Page 1 sur 1</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|--|---------|---|---------|---|---------------------------------------|---------------------------------------|---------------------------------------|---------|---------|---------|---------------------|---------------------------------------|---------------------------------------|---------------------------------------|----|----|----|----|----|---|-------|----------|----|----------|----|----|----|----|----|----|-------|----------|----|----------|----|----|----|----|----|----|-------|----------|----|----------|----|----|----|----|----|----|-------|----------|----|----------|----|----|----|----|----|----|-------|----------|----|----------|----|----|----|----|----|----|-------|----------|----|----------|----|----|----|----|----|----|-------|----------|----|----------|----|----|----|----|----|----|-------|----------|----|----------|----|------|-----|-----|----|----|-------|----------|----|----|----|------|-----|-----|----|----|-------|----|----------|----|----|------|-----|-----|----|----|-------|----------|----|----|----|------|-----|-----|----|----|-------|----|----------|----|-----|-----|-----|-----|----|----|-------|----------|----|----|-----|-----|-----|-----|----|----|-------|----|----------|----|---|--|---|--|
| <div>PRINCIPALES UTILISATIONS</div> <div>Tuyauteries en cuivre : Avec joint EPDM - Eau douce sanitaire (chaude et froide) - Eau lavage BP - Air comprimé service général Avec joint HNBR (Réservé aux circuits gravitaires et non réchauffés pour traceur vapeur) -Egouttures huile et combustible(Ø<54) -Ecoulement dalots (Ø<54)</div> | | <div>MAIN USES</div> <div>Copper piping : EPDM gasket - Sanitary fresh water (hot and cold) - Washing BP - General system compressed air HNBR gasket(Reserved to atmospheric open pipes and not heated by steam tracing) -Oil and HFO/MGO leakages diagram (Ø<54) -Scuppering diagram (Ø<54)</div> | | <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>PassagersMilitaireMéthanierRapide</div> | | <div>PassengersMilitaryMethanierHigh speed craft</div> | | <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>DOCUMENTS DE REFERENCE</div> <div>A.11.11.U1.01 – Tubes en cuivre</div> | | <div>REFERENCE DOCUMENTS</div> <div>A.11.11.U1.01 – Copper tubes</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>MATIERE / TRAITEMENT DE SURFACE</div> <div>Cuivre désoxydé au phosphore : Cu-DHP suivant NF EN 1057 Bronze : Cu Sn 4P pour 76,1 à 108 Etanchéité / tube : joint EPDM (1) Etanchéité / tube : joint HNBR (2)</div> | | <div>MATERIAL / TREATMENT SURFACE</div> <div>Phosphor deoxidized copper : Cu-DHP as per NF EN 1057 Brass : Cu Sn 4P for 76,1 to 108 Tightness / tube : gasket EPDM (1) Tightness / tube : gasket HNBR (2)</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>CARACTERISTIQUES</div> <div>Tes avec joint EPDM et HNBR. PMA et TMA 16 bar à 95°</div> | | <div>CHARACTERISTICS</div> <div>EPDM and HNBR gasket for tees. PMA and TMA: 16 bar to 95°</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>DN</th><th>Ø d (mm)</th><th>L1 (mm)</th><th>L2 (mm)</th><th>Z1 (mm)</th><th>Z2 (mm)</th><th>Masse Unitaire (kg)</th><th>Cuivre Joint EPDM (1) REFERENCE OBJET</th><th>Bronze Joint EPDM (1) REFERENCE OBJET</th><th>Cuivre Joint HNBR (2) REFERENCE OBJET</th></tr><tr><td>10</td><td>12</td><td>36</td><td>27</td><td>18</td><td>9</td><td>0,012</td><td>SA014605</td><td>--</td><td>SA037722</td></tr><tr><td>12</td><td>15</td><td>40</td><td>33</td><td>18</td><td>11</td><td>0,016</td><td>SA014606</td><td>--</td><td>SA037723</td></tr><tr><td>15</td><td>18</td><td>42</td><td>35</td><td>20</td><td>13</td><td>0,027</td><td>SA014607</td><td>--</td><td>SA037724</td></tr><tr><td>20</td><td>22</td><td>44</td><td>38</td><td>22</td><td>15</td><td>0,040</td><td>SA014608</td><td>--</td><td>SA037725</td></tr><tr><td>25</td><td>28</td><td>48</td><td>43</td><td>23</td><td>19</td><td>0,062</td><td>SA014609</td><td>--</td><td>SA037726</td></tr><tr><td>32</td><td>35</td><td>52</td><td>48</td><td>26</td><td>22</td><td>0,092</td><td>SA014610</td><td>--</td><td>SA037727</td></tr><tr><td>40</td><td>42</td><td>65</td><td>65</td><td>29</td><td>29</td><td>0,195</td><td>SA014611</td><td>--</td><td>SA037728</td></tr><tr><td>50</td><td>54</td><td>75</td><td>75</td><td>35</td><td>35</td><td>0,245</td><td>SA014612</td><td>--</td><td>SA037729</td></tr><tr><td>65</td><td>76,1</td><td>100</td><td>104</td><td>50</td><td>54</td><td>1,320</td><td>SA039314</td><td>--</td><td>--</td></tr><tr><td>65</td><td>76,1</td><td>114</td><td>114</td><td>61</td><td>61</td><td>3,250</td><td>--</td><td>SA017929</td><td>--</td></tr><tr><td>80</td><td>88,9</td><td>107</td><td>109</td><td>57</td><td>59</td><td>1,608</td><td>SA039315</td><td>--</td><td>--</td></tr><tr><td>80</td><td>88,9</td><td>120</td><td>120</td><td>67</td><td>67</td><td>3,830</td><td>--</td><td>SA017930</td><td>--</td></tr><tr><td>100</td><td>108</td><td>128</td><td>132</td><td>68</td><td>72</td><td>2,727</td><td>SA039316</td><td>--</td><td>--</td></tr><tr><td>100</td><td>108</td><td>140</td><td>140</td><td>77</td><td>77</td><td>5,380</td><td>--</td><td>SA017931</td><td>--</td></tr></table> | | | | | | | DN | Ø d (mm) | L1 (mm) | L2 (mm) | Z1 (mm) | Z2 (mm) | Masse Unitaire (kg) | Cuivre Joint EPDM (1) REFERENCE OBJET | Bronze Joint EPDM (1) REFERENCE OBJET | Cuivre Joint HNBR (2) REFERENCE OBJET | 10 | 12 | 36 | 27 | 18 | 9 | 0,012 | SA014605 | -- | SA037722 | 12 | 15 | 40 | 33 | 18 | 11 | 0,016 | SA014606 | -- | SA037723 | 15 | 18 | 42 | 35 | 20 | 13 | 0,027 | SA014607 | -- | SA037724 | 20 | 22 | 44 | 38 | 22 | 15 | 0,040 | SA014608 | -- | SA037725 | 25 | 28 | 48 | 43 | 23 | 19 | 0,062 | SA014609 | -- | SA037726 | 32 | 35 | 52 | 48 | 26 | 22 | 0,092 | SA014610 | -- | SA037727 | 40 | 42 | 65 | 65 | 29 | 29 | 0,195 | SA014611 | -- | SA037728 | 50 | 54 | 75 | 75 | 35 | 35 | 0,245 | SA014612 | -- | SA037729 | 65 | 76,1 | 100 | 104 | 50 | 54 | 1,320 | SA039314 | -- | -- | 65 | 76,1 | 114 | 114 | 61 | 61 | 3,250 | -- | SA017929 | -- | 80 | 88,9 | 107 | 109 | 57 | 59 | 1,608 | SA039315 | -- | -- | 80 | 88,9 | 120 | 120 | 67 | 67 | 3,830 | -- | SA017930 | -- | 100 | 108 | 128 | 132 | 68 | 72 | 2,727 | SA039316 | -- | -- | 100 | 108 | 140 | 140 | 77 | 77 | 5,380 | -- | SA017931 | -- | <div>Joint : couleur noire Pastille de marquage : Couleur verte</div> | | <div>Joint couleur jaune Pastille de marquage Couleur jaune</div> | |
| DN | Ø d (mm) | L1 (mm) | L2 (mm) | Z1 (mm) | Z2 (mm) | Masse Unitaire (kg) | Cuivre Joint EPDM (1) REFERENCE OBJET | Bronze Joint EPDM (1) REFERENCE OBJET | Cuivre Joint HNBR (2) REFERENCE OBJET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 12 | 36 | 27 | 18 | 9 | 0,012 | SA014605 | -- | SA037722 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 15 | 40 | 33 | 18 | 11 | 0,016 | SA014606 | -- | SA037723 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 18 | 42 | 35 | 20 | 13 | 0,027 | SA014607 | -- | SA037724 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 22 | 44 | 38 | 22 | 15 | 0,040 | SA014608 | -- | SA037725 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 28 | 48 | 43 | 23 | 19 | 0,062 | SA014609 | -- | SA037726 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 35 | 52 | 48 | 26 | 22 | 0,092 | SA014610 | -- | SA037727 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 42 | 65 | 65 | 29 | 29 | 0,195 | SA014611 | -- | SA037728 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 54 | 75 | 75 | 35 | 35 | 0,245 | SA014612 | -- | SA037729 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 76,1 | 100 | 104 | 50 | 54 | 1,320 | SA039314 | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 76,1 | 114 | 114 | 61 | 61 | 3,250 | -- | SA017929 | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 88,9 | 107 | 109 | 57 | 59 | 1,608 | SA039315 | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 88,9 | 120 | 120 | 67 | 67 | 3,830 | -- | SA017930 | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 108 | 128 | 132 | 68 | 72 | 2,727 | SA039316 | -- | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 108 | 140 | 140 | 77 | 77 | 5,380 | -- | SA017931 | -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>DOCUMENT DE CONTROLE A DELIVRER PAR LE FOURNISSEUR</div> <div>CONTROL DOCUMENTS TO BE DELIVERED BY THE SUPPLIER</div> <div>sans / No document</div> | | <div>FOURNISSEUR / SUPPLIER</div> <div>Non imposé / Sans Profipress Viega Profipress XL Viega Sanpress XL Viega</div> | | <div>ETAT DE LIVRAISON</div> <div>DELIVERY STATUS</div> <div>COLISAGE / PACKAGING</div> <div>En sachet avec identification suivante Sachet avec joint EPDM : pastille verte Sachet avec joint HNBR : pastille jaune</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>MATERIEL AVEC APPROBATION</div> <div>MATERIAL WITH APPROVAL</div> <div>Sans / No agreement Bureau Veritas : Certificat N° 08682</div> | | <div>NORME DE REFERENCE</div> <div>REFERENCE NORM</div> <div>NF EN 1057 NF A 51 124</div> | | <div>ETAT DE CONDITIONNEMENT</div> <div>CONDITIONNING STATUS</div> <div>Caisse ou carton suivant commande</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>Resp. Standardisation A.SURIN Le : 29 - 01 - 2021</div> | | <div>Resp. Fonction Technique B.ABGUILLERM Le : 29 - 01 - 2021</div> | | <div>Rév. E : (L.ANDRE le 29/01/2021) Mise à jour des cotes d'encombrements suivant nouvelle donnée constructeur AE0000337628-C35</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |