
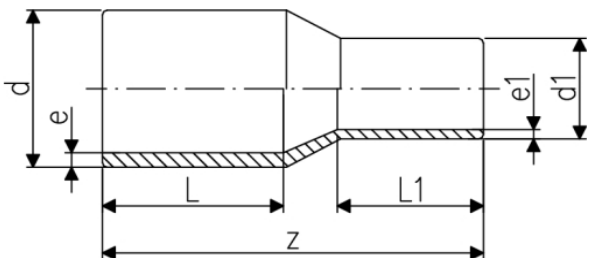


|                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                |  |                                                                                                                                          |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div>stxFrance</div> <div>STANDARD ELEMENTAIRE<br/>ELEMENT STANDARD</div>                                                                                                                                                                                                                                                        |  | <div>REDUCTION CONCENTRIQUE ELECTROSOUDABLE<br/>PE100 SDR11 M/M POLYETHYLENE 16 bar<br/>CONCENTRIC REDUCTION ELECTROWELDED<br/>PE100 SDR11 M/M POLYETHYLEN 16 bar</div>                                                                        |  | <div>B.51.23.R3.06</div> <div>REV B</div>                                                                                                |  |
|                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                |  | <div>Page 1 sur 2</div>                                                                                                                  |  |
| <div>PRINCIPALES UTILISATIONS</div> <div>Eau</div> <div>APPLICABILITE POTENTIELLE NAVIRE</div> <div>PassagersMilitaireMéthanierRapide</div>                                                                                                                                                                                      |  | <div>MAIN USES</div> <div>water</div> <div>POTENTIAL SHIP APPLICABILITY</div> <div>PassengersMilitaryLNG TankerHigh speed craft</div>                                                                                                          |  |                                                                                                                                          |  |
| <div>DOCUMENTS DE REFERENCE</div> <div>MATIERE / TRAITEMENT DE SURFACE</div> <div>Polyéthylène (PE 100) – SDR 11</div> <div>CARACTERISTIQUES</div> <div>Couleur : Noir graphite</div> <div>PMS : 16 bar à 20°C</div> <div>TMS : 60°C à 3,5 bar</div>                                                                             |  | <div>REFERENCE DOCUMENTS</div> <div>MATERIAL / TREATMENT SURFACE</div> <div>Polyethylene (PE 100) - SDR 11</div> <div>CHARACTERISTICS</div> <div>Color : graphite Black</div> <div>MPS : 16 bar at 20°C</div> <div>MTS : 60°C at 3,5 bar</div> |  |                                                                                                                                          |  |
| <div></div>                                                                                                                                                                                                                                    |  | <div></div>                                                                                                                                                 |  |                                                                                                                                          |  |
| <div>DOCUMENT DE CONTROLE - A délivrer par le fournisseur</div> <div>I CONTROL DOCUMENTS - To be delivered by the supplier</div> <div>- Sans</div> <div>MATERIEL AVEC APPROBATION / MATERIAL WITH APPROVAL</div> <div>Approbation de type / type approbation</div> <div>- N° 10132, DNV N° K-3838 ou K-3844, GL13 655-98HH</div> |  | <div>FOURNISSEURS / TYPE</div> <div>SUPPLIER / TYPE</div> <div>- +GF+ PE100 - SDR 11</div> <div>NORME DE REFERENCE</div> <div>REFERENCE NORM</div> <div>DIN 8074</div>                                                                         |  | <div>ETAT DE LIVRAISON et DE CONDITIONNEMENT</div> <div>DELIVERY AND CONDITIONNING STATUS</div>                                          |  |
| <div>Coord. Techno. Produits :</div> <div>R.GREGOIRE</div> <div>Le : 13 - 05 - 20130</div>                                                                                                                                                                                                                                       |  | <div>Resp. Fonction Technique :</div> <div>B.ABGUILLERM</div> <div>Le : 02 - 05 - 2013</div>                                                                                                                                                   |  | <div>Rév. B : (L.ANDRE 25/04/2013) Remplacement pour DN200 était Ø200mm et passe a Ø225mm le DN250 était Ø250mm et passe à Ø280mm.</div> |  |

| Diamètre<br>d/d1<br>mm | DN / DN1           | L<br>mm | L1<br>mm | z<br>mm | e<br>mm | e1<br>mm | Poids<br>kg | Référence<br>Objet  |
|------------------------|--------------------|---------|----------|---------|---------|----------|-------------|---------------------|
| 40/32                  | 32/25              | 57      | 53       | 129     | 3.7     | 3.0      | 0.042       | SA042856            |
| 50/32                  | 40/25              | 63      | 53       | 140     | 4.6     | 3.0      | 0.067       | SA042857            |
| 50/40                  | 40/32              | 63      | 57       | 139     | 4.6     | 3.7      | 0.079       | SA042858            |
| 63/32                  | 50/25              | 65      | 53       | 149     | 5.8     | 3.0      | 0.113       | SA042859            |
| 63/40                  | 50/32              | 65      | 57       | 150     | 5.8     | 3.7      | 0.122       | SA042860            |
| 63/50                  | 50/40              | 65      | 63       | 150     | 5.8     | 4.6      | 0.128       | SA042861            |
| 75/40                  | 65/32              | 72      | 57       | 170     | 6.8     | 3.7      | 0.185       | SA042862            |
| 75/50                  | 65/40              | 72      | 63       | 170     | 6.8     | 4.6      | 0.188       | SA042863            |
| 75/63                  | 65/50              | 72      | 65       | 170     | 6.8     | 5.8      | 0.209       | SA042864            |
| 90/50                  | 80/40              | 81      | 63       | 190     | 8.2     | 4.6      | 0.289       | SA042865            |
| 90/63                  | 80/50              | 81      | 65       | 190     | 8.2     | 5.8      | 0.316       | SA042866            |
| 90/75                  | 80/63              | 81      | 70       | 190     | 8.2     | 6.8      | 0.351       | SA042867            |
| 110/63                 | 100/50             | 86      | 65       | 205     | 10.0    | 5.8      | 0.471       | SA042868            |
| 110/75                 | 100/65             | 86      | 70       | 205     | 10.0    | 6.8      | 0.501       | SA042869            |
| 110/90                 | 100/80             | 86      | 81       | 205     | 10.0    | 8.2      | 0.549       | SA042870            |
| 140/75                 | 125/65             | 110     | 70       | 230     | 12.7    | 6.8      | 0.560       | SA042871            |
| 140/90                 | 125/80             | 110     | 79       | 230     | 12.7    | 8.2      | 0.690       | SA042872            |
| 140/110                | 125/100            | 110     | 88       | 234     | 12.7    | 10.0     | 0.820       | SA042873            |
| 160/90                 | 150/80             | 120     | 79       | 244     | 14.6    | 8.2      | 1.164       | SA042874            |
| 160/110                | 150/100            | 102     | 86       | 244     | 14.6    | 10.0     | 1.239       | SA042875            |
| 160/140                | 150/125            | 120     | 110      | 260     | 14.6    | 12.7     | 1.350       | SA042876            |
| 225/140                | 200/125            | 130     | 110      | 295     | 20.5    | 12.7     | 2.900       | SA042877            |
| 225/160                | 200/150            | 122     | 102      | 279     | 20.5    | 14.6     | 3.118       | SA042878            |
| <del>280/160</del>     | <del>250/150</del> |         |          |         |         |          |             | <del>SA042879</del> |
| 280/225                | 250/200            | 140     | 120      | 335     | 25.4    | 20.5     | 6.090       | SA042880            |
| 315/225                | 300/200            | 150     | 120      | 365     | 28.6    | 20.5     | 7.790       | SA042881            |
| 315/280                | 300/250            | 150     | 139      | 365     | 28.6    | 25.4     | 8.800       | SA042882            |
| 355/280                | 350/250            | 165     | 139      | 390     | 32.3    | 25.4     | 9.500       | SA042883            |
| 355/315                | 350/300            | 165     | 150      | 390     | 32.3    | 28.6     | 9.900       | SA042884            |
| 400/280                | 400/250            | 180     | 139      | 415     | 36.4    | 25.4     | 10.420      | SA046622            |
| 400/315                | 400/300            | 180     | 150      | 415     | 36.4    | 36.4     | 11.130      | SA042885            |
| 400/355                | 400/350            | 180     | 165      | 420     | 36.4    | 32.3     | 11.600      | SA042886            |