



AGROTEC  
SUISSE

# Evaluation de la construction et de la technique d'assemblage

Préparation EP jeu 4 / G 11069

Nom: \_\_\_\_\_ Prénom: \_\_\_\_\_

Tolérances selon SN EN 2768-1-c

| Cotes     | Référence                   | Effectives | Points |                             |  |
|-----------|-----------------------------|------------|--------|-----------------------------|--|
| 1         | 240 +/- 1.2 mm Pos.11 à 6   |            |        | 2 points par cote juste     |  |
| 2         | 210 +/- 1.2 mm Pos. 9 à 6   |            |        |                             |  |
| 3         | 50 +/- 0.8 mm Pos. 9 à 9    |            |        |                             |  |
| 4         | 14 +/- 0.5 mm Pos. 11 à 11  |            |        |                             |  |
| 5         | 215 +/- 1.2 mm Pos. 1/5 à 4 |            |        |                             |  |
| 6         | 185 +/- 1.2 mm Pos. 1/5 à 4 |            |        |                             |  |
| 7         | 20 +/- 0.5 mm Pos. 4        |            |        | 1 point par cote juste      |  |
| 8         | 10 X 45° Pos. 4             |            |        |                             |  |
| 9         | Centrage Ø 17/27 Pos. 1/5   |            |        |                             |  |
| 10        | 75 +/- 0.8 mm Pos. 9        |            |        |                             |  |
| 11        | 25 +/- 0.5 mm Pos. 11       |            |        |                             |  |
| 12        | Centrage Pos. 9 à Pos. 6    |            |        |                             |  |
| 13        | 74 +/- 0.8 mm Pos. 14 à 13  |            |        | max. 20 points              |  |
| 14        | R 20 Pos. 9                 |            |        | Total de points             |  |
| Centrage  | Référence                   | Effectifs  | Points |                             |  |
| 1         | Pos. 3 à 4                  |            |        | max. 2 points par centrage  |  |
| 2         | Pos. 1 à 5 + 1/5 à 2        |            |        |                             |  |
| 3         | Pos. 11 à 8/6               |            |        | max. 8 points               |  |
| 4         | Pos. 9 à 6                  |            |        | Total de points             |  |
| Equerrage | Référence                   | Effectifs  | Points |                             |  |
| 1         | Pos. 2 à 3                  |            |        | max. 2 points par équerrage |  |
| 2         | Pos. 4 à 3                  |            |        |                             |  |
| 3         | Pos. 1 à 2                  |            |        | max. 8 points               |  |
| 4         | Pos. 6                      |            |        | Total de points             |  |



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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|------------------------|--------------|----------|--------------|------------|--------------|------------|--------------|----------|--------------|----------|--------------|------------|--------------|------------|--------------|----------|--------------|----------|--------------|------------|--|--|--------------|----------|
| <b>Soudure MAG N° d'ordre 135</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | max. pts. / pos. | Attribué     |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4 3 2 1 0        |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Pénétration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4 3 2 1 0        |              | max. 12 pts.           |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Symétrie / Structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4 3 2 1 0        |              | Total points           |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| <b>Soudure E N° d'ordre 111</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | max. pts. / pos. | Attribué     |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4 3 2 1 0        |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Pénétration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4 3 2 1 0        |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Symétrie / Structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4 3 2 1 0        |              | max. 15 pts.           |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Soudure PF pénétration / Structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 2 1 0          |              | Total points           |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| <b>Brasage fort N° d'ordre 912</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | max. pts. / pos. | Attribué     |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Section / Pourtour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Température / Structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                |              | max. 3 pts.            |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Propreté                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                |              | Total points           |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| <b>Soudure au gaz N° d'ordre 311</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | max. pts. / pos. | Attribué     |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Section / Épaisseur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2 1 0            |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Pénétration / Structure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                |              | max. 5 pts.            |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Propreté                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2 1 0            |              | Total points           |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| <b>Oxycoupage ou découpage par plasma</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | max. pts. / pos. | Attribué     |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Angle de découpage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| 2 pcs. 60 X 45°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                |              | max. 3 pts.            |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Propreté                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                |              | Total points           |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| <b>Fonctionnement / Propreté / Finition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | max. pts. / pos. | Attribué     |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Fonction: Axe et boulon assemblé                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6 3 0            |              |                        |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Propreté générale / Finition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6 5 4 3 2 1 0    |              | max. 16 pts.           |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| Soudures effectuées selon dessin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4 3 1 0          |              | Total points           |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| <b>Total max. 90 points</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |              | <b>Total de points</b> |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |              | <b>Note</b>            |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| <p><b>Tablette des notes:</b></p> <table> <tbody> <tr> <td>90 - 86 Pts.</td> <td><b>6</b></td> <td>49 - 41 Pts.</td> <td><b>3.5</b></td> </tr> <tr> <td>85 - 77 Pts.</td> <td><b>5.5</b></td> <td>40 - 32 Pts.</td> <td><b>3</b></td> </tr> <tr> <td>76 - 68 Pts.</td> <td><b>5</b></td> <td>31 - 23 Pts.</td> <td><b>2.5</b></td> </tr> <tr> <td>67 - 59 Pts.</td> <td><b>4.5</b></td> <td>22 - 14 Pts.</td> <td><b>2</b></td> </tr> <tr> <td>58 - 50 Pts.</td> <td><b>4</b></td> <td>13 - 05 Pts.</td> <td><b>1.5</b></td> </tr> <tr> <td></td> <td></td> <td>04 - 00 Pts.</td> <td><b>1</b></td> </tr> </tbody> </table> |                  |              |                        | 90 - 86 Pts. | <b>6</b> | 49 - 41 Pts. | <b>3.5</b> | 85 - 77 Pts. | <b>5.5</b> | 40 - 32 Pts. | <b>3</b> | 76 - 68 Pts. | <b>5</b> | 31 - 23 Pts. | <b>2.5</b> | 67 - 59 Pts. | <b>4.5</b> | 22 - 14 Pts. | <b>2</b> | 58 - 50 Pts. | <b>4</b> | 13 - 05 Pts. | <b>1.5</b> |  |  | 04 - 00 Pts. | <b>1</b> |
| 90 - 86 Pts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>6</b>         | 49 - 41 Pts. | <b>3.5</b>             |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| 85 - 77 Pts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>5.5</b>       | 40 - 32 Pts. | <b>3</b>               |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| 76 - 68 Pts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>5</b>         | 31 - 23 Pts. | <b>2.5</b>             |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| 67 - 59 Pts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>4.5</b>       | 22 - 14 Pts. | <b>2</b>               |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
| 58 - 50 Pts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>4</b>         | 13 - 05 Pts. | <b>1.5</b>             |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  | 04 - 00 Pts. | <b>1</b>               |              |          |              |            |              |            |              |          |              |          |              |            |              |            |              |          |              |          |              |            |  |  |              |          |