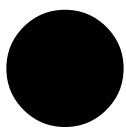


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# L'ALUMINIUM



# Ronds

| ALLIAGES  | 1050 A<br>A5 | 2017 A<br>AU4G | 2030<br>AU4PB | 5056<br>AG5 | 5083<br>AG4.5 | 5754<br>AG3 | 6060<br>AGS | 6082<br>ASG | 7020<br>AZ5G | 7022<br>AZ5GU0.6 | 7075<br>AZ5GU |
|-----------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|------------------|---------------|
| Fil 1 *   | ●            |                |               |             |               | ○           | ○           | ○           |              |                  |               |
| Fil 1.5 * | ○            |                |               |             |               | ○           | ○           | ○           |              |                  |               |
| Fil 2 *   | ○            |                | ○             |             |               | ○           | ○           | ○           |              |                  |               |
| Fil 2.5 * | ○            |                | ○             |             |               | ○           | ○           | ○           |              |                  |               |
| RD 3      | ○            |                | ●             |             |               | ○           | ○           | ○           |              |                  | ○             |
| RD 3.8    |              |                |               |             |               | ○           |             |             |              |                  |               |
| RD 4      | ○            |                | ●             | ○           |               | ○           | ○           | ○           |              |                  |               |
| RD 4.5    |              |                | ●             |             |               | ○           |             |             |              |                  |               |
| RD 5      | ○            |                | ●             |             |               | ●           | ○           | ○           |              |                  |               |
| RD 6      | ○            | ○              | ●             | ○           |               | ○           | ●           | ○           |              |                  |               |
| RD 7      | ○            | ○              | ●             | ○           |               | ○           | ●           | ○           |              |                  |               |
| RD 8      | ○            | ○              | ●             | ○           |               | ●           | ●           | ○           |              |                  |               |
| RD 9      |              |                | ○             |             |               | ○           |             |             |              |                  |               |
| RD 10     | ●            | ○              | ●             | ●           |               | ●           | ●           | ●           | ○            | ○                |               |
| RD 11     |              |                | ●             |             |               |             |             |             |              |                  |               |
| RD 12     | ●            | ○              | ●             | ○           |               | ○           | ●           | ○           |              |                  | ●             |
| RD 13     | ○            |                | ●             |             |               |             |             | ○           |              |                  |               |
| RD 14     | ○            |                | ●             | ●           |               | ○           |             | ○           |              |                  |               |
| RD 15     | ●            | ○              | ●             | ○           |               | ●           | ●           | ●           | ○            | ●                | ○             |
| RD 16     | ○            | ○              | ●             |             | ●             | ○           | ●           | ○           |              |                  |               |
| RD 17     | ○            |                | ●             |             |               | ○           |             |             |              |                  |               |
| RD 18     | ●            | ○              | ●             |             |               | ●           | ○           |             |              |                  |               |
| RD 19     |              |                | ●             |             |               |             |             |             |              |                  |               |
| RD 20     | ●            | ●              | ●             | ○           | ●             | ●           | ●           | ●           | ○            | ●                | ●             |
| RD 21     |              |                | ●             |             |               |             |             |             |              |                  |               |
| RD 22     | ○            | ●              | ●             | ●           |               | ●           | ●           | ○           |              |                  |               |
| RD 23     |              |                | ●             |             |               |             |             |             |              |                  |               |
| RD 24     | ○            |                | ●             |             |               |             |             | ○           |              |                  |               |
| RD 25     | ●            | ●              | ●             | ●           | ●             | ●           | ●           | ●           | ○            | ○                | ●             |
| RD 26     |              |                | ●             |             |               | ○           |             | ○           |              |                  |               |
| RD 27     |              |                | ●             |             |               |             |             |             |              |                  |               |
| RD 28     |              | ●              | ●             |             |               | ○           |             | ○           |              |                  |               |
| RD 29     |              |                | ●             |             |               |             |             |             |              |                  |               |
| RD 30     | ●            | ●              | ●             | ○           | ●             | ●           | ●           | ●           | ○            | ○                | ●             |
| RD 32     | ○            | ●              | ●             | ●           |               |             |             | ○           |              |                  |               |
| RD 33     |              |                | ○             |             |               |             |             | ●           |              |                  |               |
| RD 34     |              |                | ●             |             |               |             |             |             |              |                  |               |
| RD 35     | ●            | ●              | ●             | ○           |               | ○           | ●           | ●           |              | ●                | ●             |
| RD 36     | ○            | ●              | ●             | ●           |               | ○           |             |             |              |                  |               |
| RD 38     |              | ●              | ●             |             |               | ●           |             |             |              |                  |               |

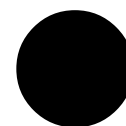
\* FILS DIAM.0.5 A 15 MM (TOUS DIAM. RECUIT A 4/4 DUR) QUANTITE MINI 100 KG

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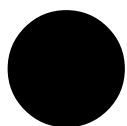
# Ronds



| ALLIAGES | 1050 A<br>A5 | 2017 A<br>AU4G | 2030<br>AU4PB | 5056<br>AG5 | 5083<br>AG4.5 | 5754<br>AG3 | 6060<br>AGS | 6082<br>ASG | 7020<br>AZ5G | 7022<br>AZ5GU0.6 | 7075<br>AZ5GU |
|----------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|------------------|---------------|
| RD 40    | ●            | ●              | ●             | ●           | ○             | ●           | ●           | ●           | ○            | ○                | ●             |
| RD 42    |              | ●              | ●             |             |               |             |             | ○           |              |                  |               |
| RD 43    |              |                | ●             |             |               |             |             | ○           |              |                  |               |
| RD 45    | ○            | ●              | ●             | ○           |               | ○           | ●           | ○           |              | ●                | ●             |
| RD 46    |              |                | ○             |             |               |             |             |             |              |                  |               |
| RD 48    |              |                | ●             |             |               |             |             |             |              |                  |               |
| RD 50    | ●            | ●              | ●             | ●           | ●             | ●           | ●           | ●           | ○            | ○                | ●             |
| RD 52    |              |                | ●             |             |               |             |             |             |              |                  |               |
| RD 55    |              | ●              | ●             | ○           |               | ○           | ○           | ○           |              | ○                | ○             |
| RD 60    | ●            | ●              | ●             | ○           | ●             | ●           | ●           | ●           | ●            | ○                | ●             |
| RD 62    |              |                | ○             |             |               |             |             |             |              |                  |               |
| RD 63    |              |                | ●             | ●           |               |             |             |             |              |                  |               |
| RD 65    |              | ●              | ●             | ○           | ●             | ○           | ○           | ○           |              |                  | ○             |
| RD 70    | ●            | ●              | ●             | ○           | ●             | ●           | ●           | ●           | ○            | ○                | ●             |
| RD 75    |              | ●              | ●             | ○           |               | ○           | ○           | ○           |              |                  | ○             |
| RD 80    | ●            | ●              | ●             | ○           | ●             | ●           | ●           | ●           | ●            | ○                | ●             |
| RD 85    |              | ●              | ●             | ○           |               | ○           |             | ●           |              | ○                |               |
| RD 90    | ●            | ●              | ●             | ○           | ●             | ●           | ●           | ●           | ○            | ○                | ●             |
| RD 95    |              | ○              | ●             |             |               |             |             |             |              |                  | ○             |
| RD 100   | ●            | ●              | ●             | ○           | ●             | ●           | ●           | ●           | ●            | ○                | ●             |
| RD 105   |              | ○              | ●             |             |               |             |             | ○           |              |                  |               |
| RD 110   | ●            | ●              | ●             | ●           | ●             | ●           | ●           | ●           |              | ○                | ●             |
| RD 115   |              | ○              | ●             |             |               |             |             |             |              |                  |               |
| RD 120   | ●            | ●              | ●             | ●           | ●             | ●           | ●           | ●           | ○            | ○                | ●             |
| RD 125   |              | ●              | ●             |             |               |             |             |             |              |                  |               |
| RD 130   | ●            | ●              | ●             | ○           |               | ○           |             | ●           |              | ○                | ●             |
| RD 140   | ○            | ●              | ●             | ○           | ●             | ○           |             | ●           |              | ○                | ●             |
| RD 150   | ●            | ●              | ●             | ○           | ●             | ○           | ○           | ●           | ○            | ○                | ●             |
| RD 160   | ●            | ●              | ●             | ○           | ●             | ○           |             | ●           |              | ○                | ○             |
| RD 170   |              | ●              | ●             |             |               |             |             | ●           |              | ●                | ○             |
| RD 180   | ●            | ●              | ●             | ○           | ●             | ○           |             | ●           |              | ○                | ●             |
| RD 190   | ●            | ○              | ●             |             |               |             |             |             |              |                  |               |
| RD 200   |              | ●              | ●             | ●           | ●             | ●           |             | ●           | ○            | ○                | ●             |
| RD 210   |              | ○              | ●             |             | ○             | ○           |             | ●           |              | ○                | ○             |
| RD 220   |              |                | ●             |             | ○             |             |             | ○           |              | ○                | ○             |
| RD 225   |              | ●              | ●             |             | ○             |             |             |             | ○            |                  |               |
| RD 230   |              |                | ●             |             | ●             | ○           |             | ●           |              | ○                | ○             |
| RD 240   |              | ○              | ●             |             | ○             |             |             | ○           |              |                  |               |
| RD 250   |              | ●              | ●             |             | ●             | ●           |             | ●           | ○            | ○                | ●             |
| RD 260   |              |                | ●             |             | ○             | ○           |             | ●           |              | ○                |               |
| RD 270   |              |                | ●             |             | ○             |             |             |             |              |                  |               |

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# Ronds

| ALLIAGES | 1050 A<br>A5 | 2017 A<br>AU4G | 2030<br>AU4PB | 5056<br>AG5 | 5083<br>AG4.5 | 5754<br>AG3 | 6060<br>AGS | 6082<br>ASG | 7020<br>AZ5G | 7022<br>AZ5GU0.6 | 7075<br>AZ5GU |
|----------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|------------------|---------------|
| RD 275   |              | ●              |               |             |               | ○           |             |             |              |                  |               |
| RD 280   |              |                | ●             |             | ○             |             |             | ●           |              |                  | ○             |
| RD 290   |              |                |               |             | ●             |             |             |             |              |                  |               |
| RD 300   |              | ●              | ●             |             | ●             | ○           |             | ●           | ○            | ○                | ●             |
| RD 304.8 |              | ●              |               |             |               |             |             |             |              |                  |               |
| RD 310   | ●            |                | ●             |             | ○             |             |             |             |              |                  |               |
| RD 320   |              | ●              | ●             |             | ○             | ○           |             | ●           | ○            | ○                |               |
| RD 325   |              | ○              |               |             |               |             |             |             |              |                  |               |
| RD 330   |              |                | ●             |             | ●             |             |             | ●           |              |                  |               |
| RD 340   |              |                | ●             |             | ○             |             |             |             |              | ○                |               |
| RD 350   |              | ○              | ●             |             | ●             | ○           |             | ○           | ○            |                  | ○             |
| RD 360   |              |                | ●             |             | ○             |             |             | ○           |              | ○                |               |
| RD 370   |              | ○              |               |             |               |             |             |             |              |                  |               |
| RD 380   |              |                | ●             |             | ○             | ●           |             | ○           |              |                  |               |
| RD 400   |              | ○              | ●             |             | ○             |             |             | ●           |              |                  |               |
| RD 420   |              | ○              | ●             |             | ●             |             |             | ○           |              |                  |               |
| RD 430   |              |                | ●             |             |               |             |             |             |              |                  |               |
| RD 440   |              |                |               |             | ●             |             |             |             |              |                  |               |
| RD 450   |              | ○              | ●             |             | ●             |             |             |             |              |                  |               |
| RD 460   |              |                |               |             |               |             |             | ○           |              |                  |               |
| RD 470   |              |                |               |             | ●             |             |             |             |              |                  |               |
| RD 480   |              |                |               |             | ●             |             |             |             |              |                  |               |
| RD 500   |              |                | ○             |             |               |             |             | ○           |              |                  |               |
| RD 510   |              |                | ●             |             | ○             |             |             |             |              |                  |               |
| RD 530   |              |                | ○             |             |               |             |             |             |              |                  |               |
| RD 645   |              | ○              |               |             | ○             |             |             |             |              |                  |               |

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● DISPO

POSSIBILITES EN 6012 ET 7049 A  
SOUS 8 JOURS ENVIRON

# Hexagones



| HEXAGONE | kg / m | AU4PB / AU4BIPB<br>2030 / 2011 | ASG / ASGPB<br>6082 / 6012 | AZ5GU / AZGU0.6<br>7075 / 7022 |
|----------|--------|--------------------------------|----------------------------|--------------------------------|
| H 4      | 0.039  |                                | ●                          |                                |
| H 5      | 0.061  | ○                              | ●                          |                                |
| H 6      | 0.084  | ●                              | ○                          |                                |
| H 7      | 0.115  | ●                              | ○                          |                                |
| H 8      | 0.158  | ●                              | ○                          |                                |
| H 9      | 0.196  | ●                              | ○                          |                                |
| H 10     | 0.242  | ●                              | ○                          |                                |
| H 11     | 0.293  | ●                              | ○                          |                                |
| H 12     | 0.348  | ●                              | ○                          |                                |
| H 13     | 0.409  | ●                              | ○                          | ○                              |
| H 14     | 0.474  | ●                              | ○                          |                                |
| H 15     | 0.545  | ○                              |                            | ○                              |
| H 16     | 0.550  | ○                              |                            |                                |
| H 17     | 0.699  | ●                              | ○                          | ○                              |
| H 18     | 0.790  | ○                              |                            |                                |
| H 19     | 0.874  | ●                              | ○                          | ○                              |
| H 20     | 0.980  | ○                              |                            |                                |
| H 21     | 1.080  | ○                              |                            |                                |
| H 22     | 1.195  | ●                              | ○                          | ○                              |
| H 23     | 1.300  | ○                              |                            |                                |
| H 24     | 1.422  | ●                              | ○                          |                                |
| H 25     | 1.420  | ○                              |                            |                                |
| H 26     | 1.490  | ○                              |                            |                                |
| H 27     | 1.760  | ●                              | ○                          | ○                              |
| H 28     | 1.930  | ○                              |                            |                                |
| H 29     | 2.080  | ○                              |                            |                                |
| H 30     | 2.221  | ●                              | ○                          | ○                              |
| H 31     | 2.250  | ○                              |                            |                                |
| H 32     | 2.528  | ●                              | ○                          |                                |
| H 33     | 2.550  | ○                              |                            |                                |
| H 36     | 3.199  | ●                              | ○                          |                                |
| H 38     | 3.490  | ●                              |                            |                                |
| H 40     | 3.740  | ○                              |                            |                                |
| H 41     | 4.149  | ●                              | ○                          |                                |
| H 42     | 4.200  | ●                              |                            |                                |
| H 46     | 5.223  | ●                              |                            |                                |
| H 48     | 5.400  | ●                              |                            |                                |
| H 50     | 6.171  | ●                              | ○                          |                                |
| H 55     | 7.457  | ●                              |                            |                                |
| H 60     | 8.866  | ●                              |                            |                                |
| H 70     | 11.882 | ○                              |                            |                                |
| H 80     | 15.519 | ●                              |                            |                                |
| H 100    | 24.249 | ●                              |                            |                                |

● DISPO  
○ DELAI 8 A 10 JOURS

# Méplats

| <i>L x E</i> | <i>kg / m</i> | <i>AU4G<br/>2017 A</i> | <i>AU4PB<br/>2030</i> | <i>AGS<br/>6060</i> | <i>ASG<br/>6082</i> |
|--------------|---------------|------------------------|-----------------------|---------------------|---------------------|
| 8 x 3        | 0.065         |                        |                       | ●                   |                     |
| 10 x 2       | 0.055         |                        |                       | ●                   |                     |
| 10 x 3       | 0.085         |                        |                       | ●                   |                     |
| 10 x 4       | 0.108         |                        |                       | ●                   |                     |
| 10 x 5       | 0.135         |                        | ●                     | ●                   |                     |
| 10 x 6       | 0.162         |                        | ●                     | ●                   |                     |
| 10 x 8       | 0.216         |                        | ○                     | ●                   |                     |
| 12 x 3       | 0.100         |                        |                       | ●                   |                     |
| 12 x 4       | 0.130         |                        | ○                     | ●                   |                     |
| 12 x 5       | 0.162         |                        | ○                     | ●                   |                     |
| 12 x 6       | 0.195         |                        | ○                     | ●                   |                     |
| 12 x 8       | 0.260         |                        | ○                     | ●                   |                     |
| 12 x 10      | 0.324         |                        | ○                     | ●                   |                     |
| 15 x 2       | 0.085         |                        |                       | ●                   |                     |
| 15 x 3       | 0.125         |                        |                       | ●                   |                     |
| 15 x 4       | 0.165         |                        | ○                     | ●                   |                     |
| 15 x 5       | 0.202         |                        | ○                     | ●                   | ○                   |
| 15 x 6       | 0.245         |                        | ○                     | ●                   |                     |
| 15 x 8       | 0.324         |                        | ●                     | ●                   |                     |
| 15 x 10      | 0.405         |                        | ●                     | ●                   |                     |
| 15 x 12      | 0.486         |                        | ○                     | ○                   |                     |
| 20 x 2       | 0.110         |                        |                       | ●                   |                     |
| 20 x 3       | 0.165         |                        |                       | ●                   |                     |
| 20 x 4       | 0.220         |                        | ○                     | ●                   |                     |
| 20 x 5       | 0.270         |                        | ●                     | ●                   | ○                   |
| 20 x 6       | 0.325         |                        | ○                     | ●                   |                     |
| 20 x 8       | 0.435         |                        | ○                     | ●                   |                     |
| 20 x 10      | 0.540         | ○                      | ●                     | ●                   | ○                   |
| 20 x 12      | 0.648         |                        | ●                     | ●                   |                     |
| 20 x 15      | 0.810         |                        | ●                     | ●                   | ○                   |
| 25 x 2       | 0.135         |                        |                       | ●                   |                     |
| 25 x 3       | 0.202         |                        |                       | ●                   |                     |
| 25 x 4       | 0.270         |                        | ○                     | ●                   |                     |
| 25 x 5       | 0.340         |                        | ○                     | ●                   | ○                   |
| 25 x 6       | 0.408         |                        | ○                     | ●                   |                     |
| 25 x 8       | 0.540         |                        | ○                     | ●                   |                     |
| 25 x 10      | 0.675         |                        | ●                     | ●                   |                     |
| 25 x 12      | 0.810         |                        | ●                     | ●                   |                     |
| 25 x 15      | 1.010         |                        | ●                     | ●                   |                     |
| 25 x 16      | 1.080         | ●                      |                       |                     |                     |
| 25 x 20      | 1.350         |                        | ○                     | ●                   |                     |
| 30 x 2       | 0.165         |                        |                       | ●                   |                     |
| 30 x 3       | 0.245         |                        |                       | ●                   | ○                   |
| 30 x 4       | 0.324         |                        | ●                     | ●                   | ○                   |
| 30 x 5       | 0.405         |                        | ○                     | ●                   | ○                   |
| 30 x 6       | 0.490         |                        | ○                     | ●                   | ○                   |

● DISPO

○ DELAI 8 A 10 JOURS

# Méplats

| <i>L x E</i> | <i>kg / m</i> | <i>AU4G</i><br><i>2017 A</i> | <i>AU4PB</i><br><i>2030</i> | <i>AGS</i><br><i>6060</i> | <i>ASG</i><br><i>6082</i> |
|--------------|---------------|------------------------------|-----------------------------|---------------------------|---------------------------|
| 30 x 8       | 0.650         |                              | ●                           | ●                         | ○                         |
| 30 x 10      | 0.810         | ○                            | ●                           | ●                         | ○                         |
| 30 x 12      | 0.975         |                              | ●                           | ●                         |                           |
| 30 x 15      | 1.220         |                              | ●                           | ●                         | ○                         |
| 30 x 20      | 1.620         | ○                            | ●                           | ●                         | ●                         |
| 30 x 25      | 2.050         |                              | ●                           | ●                         |                           |
| 35 x 2       | 0.189         |                              |                             | ○                         |                           |
| 35 x 3       | 0.285         |                              |                             | ●                         |                           |
| 35 x 4       | 0.378         |                              |                             | ●                         |                           |
| 35 x 5       | 0.472         |                              |                             | ●                         |                           |
| 35 x 6       | 0.570         |                              |                             | ○                         |                           |
| 35 x 8       | 0.760         |                              | ○                           | ●                         |                           |
| 35 x 10      | 0.945         |                              | ○                           | ●                         |                           |
| 35 x 12      | 1.135         |                              | ○                           | ●                         |                           |
| 35 x 15      | 1.420         |                              | ●                           | ●                         |                           |
| 35 x 20      | 1.890         |                              | ○                           | ●                         |                           |
| 35 x 25      | 2.365         |                              | ○                           | ●                         |                           |
| 40 x 2       | 0.220         |                              |                             | ●                         |                           |
| 40 x 3       | 0.324         |                              |                             | ●                         | ○                         |
| 40 x 4       | 0.435         |                              | ○                           | ●                         | ○                         |
| 40 x 5       | 0.540         |                              | ●                           | ●                         | ○                         |
| 40 x 6       | 0.648         |                              | ○                           | ●                         | ○                         |
| 40 x 8       | 0.864         |                              | ●                           | ●                         | ○                         |
| 40 x 10      | 1.080         | ○                            | ●                           | ●                         | ○                         |
| 40 x 12      | 1.300         |                              | ●                           | ●                         |                           |
| 40 x 15      | 0.620         |                              | ●                           | ●                         | ○                         |
| 40 x 20      | 2.160         | ○                            | ●                           | ●                         | ○                         |
| 40 x 25      | 2.700         |                              | ●                           | ●                         |                           |
| 40 x 30      | 3.240         | ○                            | ●                           | ●                         | ○                         |
| 45 x 3       | 0.365         |                              |                             | ○                         |                           |
| 45 x 4       | 0.485         |                              |                             | ○                         |                           |
| 45 x 5       | 0.610         |                              |                             | ○                         |                           |
| 45 x 6       | 0.729         |                              |                             | ○                         |                           |
| 45 x 8       | 0.972         |                              |                             | ●                         |                           |
| 45 x 10      | 1.216         |                              |                             | ●                         |                           |
| 45 x 15      | 1.822         |                              |                             | ○                         |                           |
| 45 x 20      | 2.430         |                              |                             | ○                         |                           |
| 45 x 25      | 3.050         |                              |                             | ○                         |                           |
| 45 x 30      | 3.645         |                              |                             | ○                         |                           |
| 50 x 2       | 0.270         |                              |                             | ●                         |                           |
| 50 x 3       | 0.405         |                              |                             | ●                         |                           |
| 50 x 4       | 0.540         |                              |                             | ●                         |                           |
| 50 x 5       | 0.675         | ●                            | ●                           | ●                         | ○                         |
| 50 x 6       | 0.810         |                              | ○                           | ●                         | ○                         |
| 50 x 8       | 1.080         |                              | ○                           | ●                         | ○                         |

● DISPO

○ DELAI 8 A 10 JOURS

# Méplats

| <i>L x E</i> | <i>kg / m</i> | <i>AU4G<br/>2017 A</i> | <i>AU4PB<br/>2030</i> | <i>AGS<br/>6060</i> | <i>ASG<br/>6082</i> |
|--------------|---------------|------------------------|-----------------------|---------------------|---------------------|
| 50 x 10      | 1.350         |                        | ●                     | ●                   | ○                   |
| 50 x 12      | 1.620         |                        | ●                     | ●                   | ○                   |
| 50 x 15      | 2.030         |                        | ●                     | ●                   | ○                   |
| 50 x 16      | 2.240         | ●                      |                       |                     |                     |
| 50 x 20      | 2.700         | ○                      | ●                     | ●                   | ○                   |
| 50 x 25      | 3.375         | ○                      | ●                     | ●                   | ○                   |
| 50 x 30      | 4.050         | ○                      | ●                     | ●                   | ○                   |
| 50 x 35      | 4.725         |                        | ○                     | ○                   |                     |
| 50 x 40      | 5.500         |                        | ○                     | ○                   |                     |
| 55 x 4       | 0.594         |                        |                       | ○                   |                     |
| 55 x 5       | 0.743         |                        |                       | ○                   |                     |
| 55 x 6       | 0.891         |                        |                       | ○                   |                     |
| 55 x 8       | 1.188         |                        |                       | ○                   |                     |
| 55 x 10      | 1.485         |                        |                       | ○                   |                     |
| 55 x 20      | 2.970         |                        | ○                     | ○                   |                     |
| 60 x 2       | 0.325         |                        |                       | ●                   |                     |
| 60 x 3       | 0.486         |                        |                       | ●                   |                     |
| 60 x 4       | 0.650         |                        |                       | ●                   | ○                   |
| 60 x 5       | 0.810         |                        | ○                     | ●                   | ○                   |
| 60 x 6       | 0.972         |                        | ○                     | ●                   | ○                   |
| 60 x 8       | 1.300         |                        | ○                     | ●                   | ○                   |
| 60 x 10      | 1.620         |                        | ●                     | ●                   | ○                   |
| 60 x 12      | 1.940         |                        | ○                     | ●                   |                     |
| 60 x 15      | 2.430         |                        | ●                     | ●                   | ○                   |
| 60 x 20      | 3.240         | ○                      | ●                     | ●                   | ○                   |
| 60 x 25      | 4.050         |                        | ●                     | ●                   | ○                   |
| 60 x 30      | 4.860         | ○                      | ●                     | ●                   | ○                   |
| 60 x 35      | 5.650         |                        | ○                     | ○                   |                     |
| 60 x 40      | 6.480         | ○                      | ●                     | ●                   | ○                   |
| 60 x 50      | 8.100         |                        | ○                     |                     | ○                   |
| 65 x 8       | 1.404         |                        |                       | ○                   |                     |
| 65 x 10      | 1.755         |                        |                       | ○                   |                     |
| 70 x 2       | 0.378         |                        |                       | ○                   |                     |
| 70 x 3       | 0.567         |                        |                       | ●                   |                     |
| 70 x 4       | 0.756         |                        |                       | ○                   |                     |
| 70 x 5       | 0.945         |                        |                       | ●                   |                     |
| 70 x 6       | 1.134         |                        | ○                     | ○                   |                     |
| 70 x 8       | 1.510         |                        |                       | ●                   | ○                   |
| 70 x 10      | 1.890         |                        | ●                     | ●                   | ○                   |
| 70 x 12      | 2.268         |                        | ○                     | ○                   |                     |
| 70 x 15      | 2.940         |                        | ○                     | ●                   |                     |
| 70 x 20      | 3.920         |                        | ○                     | ●                   |                     |
| 70 x 25      | 4.830         |                        | ○                     | ●                   |                     |
| 70 x 30      | 5.775         |                        | ○                     | ○                   |                     |
| 70 x 40      | 7.560         |                        | ○                     | ○                   |                     |
| 70 x 50      | 9.450         |                        | ○                     | ○                   |                     |
| 75 x 5       | 1.015         |                        |                       | ○                   |                     |

● DISPO

○ DELAI 8 A 10 JOURS

# Méplats

| L x E    | kg / m | AU4G<br>2017 A | AU4PB<br>2030 | AGS<br>6060 | ASG<br>6082 |
|----------|--------|----------------|---------------|-------------|-------------|
| 75 x 6   | 1.215  |                |               | ○           |             |
| 75 x 8   | 1.620  |                |               | ○           |             |
| 75 x 10  | 2.025  |                |               | ○           |             |
| 80 x 2   | 0.440  |                |               | ●           |             |
| 80 x 3   | 0.650  |                |               | ○           |             |
| 80 x 4   | 0.860  |                |               | ●           |             |
| 80 x 5   | 1.080  |                | ○             | ●           | ○           |
| 80 x 6   | 1.300  |                | ○             | ●           | ○           |
| 80 x 8   | 1.730  |                | ●             | ●           | ○           |
| 80 x 10  | 2.160  |                | ●             | ●           | ○           |
| 80 x 12  | 2.592  |                | ●             | ●           | ○           |
| 80 x 15  | 3.240  |                | ●             | ●           | ○           |
| 80 x 20  | 4.320  | ○              | ●             | ●           | ○           |
| 80 x 25  | 5.400  |                | ●             | ●           | ○           |
| 80 x 30  | 6.470  | ○              | ●             | ●           | ○           |
| 80 x 40  | 8.640  | ○              | ●             | ●           | ○           |
| 80 x 50  | 10.800 |                | ●             | ○           | ○           |
| 80 x 60  | 12.960 |                | ○             | ○           | ○           |
| 90 x 3   | 0.729  |                |               | ○           |             |
| 90 x 4   | 0.927  |                |               | ○           |             |
| 90 x 5   | 1.215  |                |               | ○           |             |
| 90 x 6   | 1.460  |                |               | ○           |             |
| 90 x 8   | 1.944  |                |               | ○           |             |
| 90 x 10  | 2.430  |                | ○             | ○           |             |
| 90 x 15  | 3.645  |                | ○             | ○           |             |
| 90 x 20  | 4.860  |                | ○             | ○           |             |
| 90 x 25  | 6.075  |                | ○             | ○           |             |
| 90 x 30  | 7.290  |                | ○             |             |             |
| 90 x 40  | 9.900  |                |               | ○           |             |
| 90 x 60  | 15.120 |                | ○             |             |             |
| 100 x 2  | 0.540  |                |               | ○           |             |
| 100 x 3  | 0.810  |                |               | ○           |             |
| 100 x 4  | 1.100  |                |               | ○           |             |
| 100 x 5  | 1.350  |                | ○             | ●           |             |
| 100 x 6  | 1.620  |                | ○             | ●           | ○           |
| 100 x 8  | 2.160  |                | ●             | ●           | ○           |
| 100 x 10 | 2.700  |                | ●             | ●           | ○           |
| 100 x 12 | 3.240  |                | ○             | ●           | ○           |
| 100 x 15 | 4.050  |                | ●             | ●           |             |
| 100 x 20 | 5.400  | ○              | ●             | ●           | ○           |
| 100 x 25 | 6.750  |                | ●             | ●           | ○           |
| 100 x 50 | 13.500 | ○              | ●             | ○           |             |
| 100 x 60 | 16.200 |                | ○             | ●           |             |
| 100 x 30 | 8.100  | ○              | ●             | ●           | ○           |
| 100 x 40 | 11.000 | ○              | ●             | ○           | ○           |
| 100 x 80 | 22.400 |                | ●             |             |             |

● DISPO

○ DELAI 8 A 10 JOURS

# Méplats

| L x E    | kg / m | AU4G<br>2017 A | AU4PB<br>2030 | AGS<br>6060 | ASG<br>6082 |
|----------|--------|----------------|---------------|-------------|-------------|
| 110 x 8  | 2.376  |                |               | ○           |             |
| 110 x 10 | 2.970  |                |               | ○           |             |
| 110 x 30 | 8.910  |                |               | ○           |             |
| 120 x 4  | 1.296  |                |               | ○           |             |
| 120 x 5  | 1.620  |                |               | ●           |             |
| 120 x 6  | 1.944  |                |               | ○           |             |
| 120 x 8  | 2.600  |                |               | ○           |             |
| 120 x 10 | 3.240  |                | ●             | ●           | ○           |
| 120 x 12 | 3.880  |                |               | ●           |             |
| 120 x 15 | 4.860  |                | ●             | ●           |             |
| 120 x 20 | 6.480  |                | ●             | ●           | ○           |
| 120 x 25 | 8.400  |                |               | ○           |             |
| 120 x 30 | 9.720  |                | ○             | ○           |             |
| 120 x 40 | 12.960 |                | ○             | ○           |             |
| 120 x 50 | 16.200 |                | ○             |             |             |
| 125 x 10 | 3.375  |                |               | ●           |             |
| 130 x 8  | 2.800  |                |               | ○           |             |
| 130 x 10 | 3.510  |                |               | ○           |             |
| 130 x 15 | 5.265  |                |               | ○           |             |
| 130 x 20 | 7.020  |                | ○             | ○           |             |
| 140 x 5  | 1.890  |                |               | ○           |             |
| 140 x 10 | 3.780  |                |               | ○           |             |
| 140 x 15 | 5.670  |                |               | ○           |             |
| 140 x 20 | 7.560  |                |               | ○           |             |
| 150 x 3  | 1.215  |                |               | ○           |             |
| 150 x 5  | 2.025  |                |               | ●           |             |
| 150 x 8  | 3.240  |                |               | ●           |             |
| 150 x 10 | 4.050  |                | ●             | ●           | ○           |
| 150 x 12 | 4.860  |                |               | ○           |             |
| 150 x 15 | 6.075  |                |               | ●           | ○           |
| 150 x 20 | 8.100  |                |               | ●           | ○           |
| 150 x 30 | 12.375 |                |               | ○           |             |
| 160 x 10 | 4.320  |                |               | ○           |             |
| 160 x 15 | 6.480  |                |               | ○           |             |
| 180 x 10 | 4.860  |                |               | ○           |             |
| 180 x 20 | 9.720  |                |               | ○           |             |
| 200 x 5  | 2.700  |                |               | ○           |             |
| 200 x 8  | 4.320  |                |               | ○           | ○           |
| 200 x 10 | 5.400  |                |               | ●           |             |
| 200 x 12 | 6.720  |                |               |             | ○           |
| 200 x 15 | 8.100  |                |               | ○           | ○           |
| 200 x 20 | 10.800 |                |               | ●           | ○           |
| 200 x 25 | 13.500 |                |               | ●           | ○           |

● DISPO

○ DELAI 8 A 10 JOURS

POSSIBILITE: SUR D'AUTRES SECTIONS EN AGS, NOUS CONSULTER

SOUS DIX JOURS POUR 100 KG MINI

EN ALLIAGE 1050A / 5754 / 5083 / 7020

NOUS CONSULTER

# Carrés



| ALLIAGES  | KG / M  | 2017 A<br>AU4G | 2030 / 2011<br>AU4PB / BIPB | 6060<br>AGS | 6082 / 6012<br>ASG / ASGPB |
|-----------|---------|----------------|-----------------------------|-------------|----------------------------|
| 4 x 4     | 0.044   |                |                             |             | ●                          |
| 5 x 5     | 0.070   |                | ●                           |             |                            |
| 6 x 6     | 0.101   |                | ●                           | ●           | ○                          |
| 7 x 7     | 0.137   |                | ○                           |             | ○                          |
| 8 x 8     | 0.179   |                | ●                           | ●           | ○                          |
| 10 x 10   | 0.280   | ●              | ●                           | ●           | ○                          |
| 12 x 12   | 0.403   | ●              | ●                           | ●           | ○                          |
| 14 x 14   | 0.549   | ●              | ○                           | ●           | ○                          |
| 15 x 15   | 0.630   | ○              | ●                           | ●           | ○                          |
| 16 x 16   | 0.691   | ●              | ●                           | ●           | ○                          |
| 18 x 18   | 0.880   |                | ○                           | ●           |                            |
| 20 x 20   | 1.120   | ●              | ●                           | ●           | ●                          |
| 22 x 22   | 1.355   |                | ○                           |             | ○                          |
| 25 x 25   | 1.750   | ●              | ●                           | ●           | ○                          |
| 30 x 30   | 2.520   | ●              | ●                           | ●           | ○                          |
| 32 x 32   | 2.764   |                | ●                           |             | ●                          |
| 35 x 35   | 3.310   | ●              | ●                           | ●           | ○                          |
| 36 x 36   | 3.629   |                | ○                           |             | ○                          |
| 40 x 40   | 4.480   | ●              | ●                           | ●           | ○                          |
| 45 x 45   | 5.465   | ●              | ○                           | ○           | ○                          |
| 50 x 50   | 7.000   | ●              | ●                           | ●           | ●                          |
| 55 x 55   | 8.170   |                | ○                           | ○           | ○                          |
| 60 x 60   | 10.080  | ●              | ●                           | ●           | ●                          |
| 65 x 65   | 11.407  |                | ○                           |             | ○                          |
| 70 x 70   | 13.720  | ●              | ●                           | ●           | ○                          |
| 75 x 75   | 15.800  |                | ○                           |             |                            |
| 80 x 80   | 17.920  | ●              | ●                           | ●           | ●                          |
| 90 x 90   | 21.870  | ○              | ●                           | ○           | ○                          |
| 100 x 100 | 28.000  | ●              | ●                           | ●           | ○                          |
| 110 x 110 | 33.000  | ○              | ●                           |             | ○                          |
| 120 x 120 | 39.000  | ●              | ○                           |             | ○                          |
| 130 x 130 | 45.630  |                | ○                           |             | ○                          |
| 140 x 140 | 52.920  | ●              | ○                           |             | ○                          |
| 150 x 150 | 63.000  | ●              | ○                           |             | ○                          |
| 160 x 160 | 71.680  | ●              | ○                           |             |                            |
| 180 x 180 | 90.700  | ●              | ○                           |             |                            |
| 200 x 200 | 108.000 | ●              | ○                           |             |                            |

● DISPO

○ DELAI 8 A 10 JOURS

AUTRES POSSIBILITES

7075: 50\*50 , 60\*60 , 70\*70 , 80\*80 , 90\*90 , 100\*100 , 120\*120 mm

CONSULTEZ-NOUS



# Tubes Ronds

| ALLIAGES | KG / M | 1050 A<br>A5 | 2017 A<br>AU4G | 2030<br>AU4PB | 5056<br>AG5 | 5083<br>AG4.5 | 5754<br>AG3 | 6060<br>AGS | 6082<br>ASG | 7020<br>AZ5G |
|----------|--------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|
| 6 x 1    | 0.040  |              |                |               |             |               | ○           | ●           |             |              |
| 7 x 1    | 0.050  |              |                |               |             |               |             | ○           |             |              |
| 8 x 1    | 0.060  |              |                |               |             |               | ○           | ●           |             |              |
| 10 x 1   | 0.080  |              |                |               |             |               | ○           | ●           |             |              |
| 10 x 1.5 | 0.170  |              |                |               |             |               |             | ○           |             |              |
| 10 x 2   | 0.135  |              |                |               |             |               | ○           | ●           |             |              |
| 10 x 2.5 | 0.160  |              |                | ●             |             |               |             | ●           |             |              |
| 12 x 1   | 0.093  |              |                |               |             |               | ●           | ●           |             |              |
| 12 x 1.5 | 0.133  |              |                |               |             |               |             | ●           |             |              |
| 12 x 2   | 0.170  | ○            |                |               |             |               |             | ●           |             |              |
| 12 x 3   | 0.230  |              |                |               |             |               |             | ●           |             |              |
| 13 x 1.5 | 0.150  |              |                |               |             |               |             | ●           |             |              |
| 14 x 1   | 0.110  |              |                |               |             |               | ○           |             |             |              |
| 14 x 2   | 0.203  | ○            |                |               |             |               |             | ●           |             |              |
| 15 x 1   | 0.119  |              |                |               |             |               |             | ●           |             |              |
| 15 x 1.5 | 0.171  |              |                |               |             |               |             | ●           |             |              |
| 15 x 2   | 0.221  |              |                |               |             |               |             | ○           |             |              |
| 16 x 1   | 0.127  |              | ○              |               |             |               | ●           | ●           |             |              |
| 16 x 1.5 | 0.185  |              |                |               |             |               |             | ●           |             |              |
| 16 x 2   | 0.240  |              | ●              |               |             |               |             | ●           |             |              |
| 16 x 3   | 0.332  |              |                |               |             |               |             | ●           |             |              |
| 18 x 1   | 0.144  |              | ●              |               |             |               |             | ●           |             |              |
| 18 x 1.5 | 0.210  |              |                |               |             |               |             | ●           |             |              |
| 18 x 2   | 0.273  |              |                |               |             |               |             | ●           |             |              |
| 18 x 3   | 0.380  |              |                |               |             |               |             | ●           |             |              |
| 20 x 1   | 0.161  |              |                |               |             |               |             | ●           |             |              |
| 20 x 1.5 | 0.235  | ○            |                |               |             |               |             | ●           |             |              |
| 20 x 2   | 0.305  |              | ○              | ○             |             |               | ○           | ●           |             | ○            |
| 20 x 2.5 | 0.371  |              |                |               |             |               |             | ●           |             |              |
| 20 x 3   | 0.433  |              |                | ○             |             |               |             | ●           | ○           | ○            |
| 20 x 4   | 0.542  |              |                | ○             |             |               |             | ○           |             |              |
| 20 x 5   | 0.670  |              |                | ○             |             |               |             | ●           |             |              |
| 20 x 6   | 0.740  |              |                | ○             |             |               |             |             |             |              |
| 22 x 1   | 0.180  | ○            |                |               |             |               | ○           | ●           |             |              |
| 22 x 1.5 | 0.262  |              |                |               |             |               |             | ●           |             |              |
| 22 x 2.5 | 0.408  |              |                |               |             |               |             | ○           |             |              |
| 22 x 3   | 0.500  |              |                | ○             |             |               |             |             |             |              |
| 22 x 4   | 0.644  |              |                | ○             |             |               |             |             |             |              |
| 24 x 1.5 | 0.286  |              |                |               |             |               |             | ○           |             |              |
| 24 x 2   | 0.370  |              |                |               |             |               |             | ○           |             |              |
| 25 x 1   | 0.203  |              |                |               |             |               | ●           | ●           |             |              |
| 25 x 1.5 | 0.300  |              |                |               |             |               |             | ●           |             |              |
| 25 x 2   | 0.390  | ○            |                | ○             |             |               | ○           | ●           |             |              |

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|----------|--------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|
| 25 x 2.5 | 0.450  | ○            |                |               |             | ○             |             | ●           |             |              |
| 25 x 3   | 0.560  | ○            |                | ○             |             |               |             | ●           | ○           |              |
| 25 x 3.5 | 0.640  |              |                |               |             |               |             | ○           |             | ○            |
| 25 x 4   | 0.752  |              |                | ○             |             |               |             |             |             |              |
| 25 x 5   | 0.850  |              |                | ○             |             |               | ○           | ●           | ○           |              |
| 26 x 2   | 0.406  |              |                |               |             |               |             | ○           |             |              |
| 26 x 3   | 0.590  |              |                |               |             |               |             | ○           | ○           |              |
| 28 x 1.5 | 0.340  |              |                |               |             |               |             | ●           |             |              |
| 28 x 2   | 0.441  |              |                |               |             |               |             | ●           |             | ○            |
| 28 x 3   | 0.635  |              |                |               |             |               |             | ○           |             |              |
| 28 x 4   | 0.782  |              |                |               |             |               |             | ○           |             |              |
| 28 x 5   | 1.030  |              |                | ○             | ○           |               |             |             |             | ○            |
| 30 x 1.5 | 0.365  | ○            |                |               |             |               |             | ●           |             |              |
| 30 x 2   | 0.475  |              | ●              | ○             |             |               | ○           | ●           |             |              |
| 30 x 2.5 | 0.583  |              |                |               |             |               | ○           | ●           |             |              |
| 30 x 3   | 0.660  |              |                |               |             | ○             |             | ●           | ○           |              |
| 30 x 4   | 0.885  | ○            |                | ○             |             | ○             |             | ●           |             |              |
| 30 x 5   | 1.110  |              | ○              | ○             | ○           |               | ○           | ●           |             |              |
| 30 x 6   | 1.270  | ○            |                | ○             |             |               |             |             |             |              |
| 32 x 1   | 0.260  |              |                |               |             |               |             | ○           |             |              |
| 32 x 1.5 | 0.390  |              |                |               |             |               |             | ●           |             |              |
| 32 x 2   | 0.509  |              |                | ○             |             |               |             | ●           |             |              |
| 32 x 3   | 0.737  |              |                |               | ○           |               |             | ●           |             |              |
| 32 x 5   | 1.208  |              |                | ○             |             |               |             |             |             |              |
| 32 x 6   | 1.347  |              |                | ○             |             |               |             |             | ○           |              |
| 32.6 x 2 | 0.529  |              |                |               |             |               |             | ○           |             |              |
| 33 x 4   | 1.039  |              |                | ○             |             |               |             |             |             |              |
| 35 x 1.5 | 0.426  |              |                |               |             |               |             | ●           | ○           |              |
| 35 x 2   | 0.560  |              |                | ○             |             |               |             | ●           | ●           |              |
| 35 x 2.5 | 0.589  |              |                |               |             |               |             | ●           |             |              |
| 35 x 3   | 0.815  |              |                |               |             | ○             |             | ●           | ○           |              |
| 35 x 4   | 1.080  |              |                | ○             |             |               |             | ●           |             | ○            |
| 35 x 5   | 1.276  |              |                | ○             | ○           |               | ○           | ●           |             | ○            |
| 35 x 7.5 | 2.385  |              |                |               |             |               |             | ●           |             |              |
| 35 x 8   | 1.934  |              |                | ○             |             |               |             |             |             |              |
| 36 x 2   | 0.577  |              |                |               |             |               |             | ●           |             |              |
| 36 x 3   | 0.840  | ○            |                |               |             |               |             | ○           |             |              |
| 36 x 4   | 1.086  |              |                | ○             |             |               |             | ○           |             |              |
| 38 x 1.5 | 0.465  |              |                |               |             |               |             | ○           |             |              |
| 38 x 3   | 0.890  | ○            |                |               | ○           |               |             | ○           |             |              |
| 38 x 4   | 1.156  |              |                | ○             |             |               |             | ○           |             |              |
| 38 x 5   | 1.480  |              |                | ○             | ○           |               |             |             |             |              |
| 38 x 8   | 2.149  |              | ○              | ○             |             |               |             |             |             |              |
| 40 x 1   | 0.342  |              | ○              |               |             |               | ●           |             |             |              |

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|-----------|--------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|
| 40 x 1.5  | 0.490  |              |                |               |             |               |             | ○           |             | ○            |
| 40 x 2    | 0.645  |              | ○              | ○             |             |               |             | ●           |             |              |
| 40 x 2.5  | 0.795  | ○            |                | ○             |             |               |             | ●           |             |              |
| 40 x 3    | 0.942  |              |                |               |             |               |             | ●           |             |              |
| 40 x 4    | 1.220  |              |                | ○             | ○           | ○             |             | ●           |             |              |
| 40 x 5    | 1.485  |              | ○              | ○             |             | ○             | ●           | ●           | ○           |              |
| 40 x 6    | 1.790  |              |                | ○             |             |               |             |             |             | ○            |
| 40 x 8    | 2.292  |              |                | ○             |             |               |             |             |             |              |
| 40 x 10   | 2.546  |              | ●              | ○             |             |               |             | ●           |             |              |
| 42 x 1.5  | 0.520  |              |                |               |             |               |             | ○           |             |              |
| 42 x 2    | 0.697  |              |                |               |             |               |             | ●           |             |              |
| 42 x 2.5  | 0.837  |              |                |               |             |               |             | ●           |             |              |
| 42 x 3    | 0.991  |              |                |               |             |               |             | ○           |             |              |
| 42 x 3.5  | 1.142  |              |                |               |             |               |             | ●           |             |              |
| 42 x 5    | 1.570  |              |                |               | ○           |               |             | 6005 A      | ●           |              |
| 45 x 1.5  | 0.554  |              |                |               |             |               |             | ○           |             | ○            |
| 45 x 2    | 0.729  |              |                |               |             |               |             | ●           |             |              |
| 45 x 2.5  | 0.901  |              |                |               |             |               |             | ●           |             |              |
| 45 x 3    | 1.068  |              |                |               |             |               |             | ○           |             |              |
| 45 x 4    | 1.391  |              |                | ○             |             |               |             | ○           |             |              |
| 45 x 5    | 1.695  |              | ●              | ○             |             |               | ○           | ●           |             | ○            |
| 45 x 6    | 2.026  |              |                | ○             | ○           |               |             |             |             |              |
| 45 x 10   | 3.195  |              | ●              | ○             |             |               |             |             |             |              |
| 45 x 12.5 | 3.635  |              |                | ○             |             |               |             |             |             |              |
| 46 x 3    | 1.093  | ○            |                |               |             |               |             | ●           |             |              |
| 46 x 6    | 2.110  |              |                | ○             |             |               |             |             |             |              |
| 47 x 1    | 0.391  |              |                |               |             |               |             | ●           |             |              |
| 48 x 2    | 0.780  |              |                |               |             |               |             | ○           |             |              |
| 48 x 2.5  | 0.965  |              |                |               |             |               |             | ○           |             |              |
| 48 x 3    | 1.145  |              |                |               | ○           |               |             | ○           |             |              |
| 48 x 4    | 1.550  | ○            |                | ○             |             |               |             | ○           |             |              |
| 48 x 5    | 1.890  |              |                | ○             |             |               |             |             |             |              |
| 50 x 1.5  | 0.618  |              |                |               |             |               |             | ○           |             |              |
| 50 x 2    | 0.820  |              |                |               |             |               |             | ●           |             |              |
| 50 x 2.5  | 1.060  |              | ●              | ○             |             |               |             | ●           |             |              |
| 50 x 3    | 1.196  |              |                | ○             |             |               |             | ●           |             |              |
| 50 x 4    | 1.560  |              |                | ○             |             | ○             |             | ○           |             | ○            |
| 50 x 5    | 1.909  |              | ●              | ●             |             | ○             | ○           | ●           | ○           | ○            |
| 50 x 6    | 2.320  |              |                | ○             |             |               |             | ○           | ○           |              |
| 50 x 8    | 2.850  |              |                | ○             |             |               |             | ○           | ○           |              |
| 50 x 10   | 3.393  |              | ●              | ●             | ○           |               |             | ●           | ○           |              |
| 50 x 12   | 3.938  |              |                |               | ○           |               |             |             | ○           |              |
| 50 x 15   | 4.620  |              |                | ○             |             |               |             |             |             |              |
| 52 x 4    | 1.630  |              |                |               |             |               |             |             | ○           |              |

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|----------|--------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|
| 53 x 10  | 3.686  |              |                | ○             |             |               |             |             |             |              |
| 54 x 2   | 0.884  |              |                |               |             |               |             | ○           |             |              |
| 55 x 2.5 | 1.113  |              |                |               |             |               |             | ●           |             |              |
| 55 x 4   | 1.734  |              |                |               |             |               |             |             | ○           |              |
| 55 x 5   | 2.125  |              | ●              | ○             |             |               |             | ●           |             |              |
| 55 x 6   | 2.580  |              |                | ○             | ○           |               |             |             |             |              |
| 55 x 8   | 3.310  |              |                | ○             |             |               |             |             |             |              |
| 55 x 10  | 4.027  |              |                | ○             |             |               |             |             |             |              |
| 56 x 3   | 1.400  |              |                |               |             |               |             | ○           |             |              |
| 58 x 3   | 1.398  |              |                |               |             |               |             | ○           |             |              |
| 60 x 1.5 | 1.744  |              |                |               |             |               |             | ○           |             |              |
| 60 x 2   | 0.990  |              |                |               |             |               |             | ●           |             |              |
| 60 x 2.5 | 1.219  |              |                |               | ○           |               |             | ○           |             |              |
| 60 x 3   | 1.450  |              |                |               |             |               |             | ●           |             |              |
| 60 x 4   | 1.899  |              |                |               |             | ○             |             | ○           | ○           |              |
| 60 x 5   | 2.330  | ○            | ●              | ○             |             | ○             | ○           | ●           | ○           | ○            |
| 60 x 6   | 2.746  |              |                | ○             |             | ○             |             | ○           | ○           |              |
| 60 x 8   | 3.536  |              |                | ○             |             |               |             | ○           | ○           |              |
| 60 x 10  | 4.317  |              | ●              | ○             |             |               |             | ●           |             |              |
| 60 x 15  | 5.940  |              |                | ○             |             |               |             | ○           | ○           |              |
| 65 X 4   | 2.070  |              |                |               | ●           |               |             |             |             |              |
| 65 x 2   | 1.069  |              |                |               |             |               |             | ○           |             |              |
| 65 x 2.5 | 1.330  |              |                |               |             |               |             | ●           |             |              |
| 65 x 5   | 2.550  |              |                |               | ○           |               |             | ●           |             |              |
| 65 x 8   | 2.550  |              |                | ○             |             |               |             |             |             |              |
| 65 x 10  | 4.700  |              | ●              | ○             |             | ○             |             | ○           |             |              |
| 65 x 15  | 6.360  |              |                |               |             |               |             | ○           |             |              |
| 65 x 20  | 7.630  |              |                |               |             |               |             |             | ○           |              |
| 66 x 3   | 1.602  |              |                |               |             |               |             | ○           |             |              |
| 70 x 2   | 1.154  |              |                |               |             |               |             | ●           |             |              |
| 70 x 3   | 1.705  | ○            |                |               |             |               |             | ●           |             |              |
| 70 x 4   | 2.286  |              |                |               |             |               |             | ○           |             |              |
| 70 x 5   | 2.760  |              | ●              | ○             |             | ○             | ○           | ●           |             |              |
| 70 x 6   | 3.436  |              |                | ○             |             |               |             | ○           |             |              |
| 70 x 7   | 3.949  |              |                | ○             |             |               |             |             |             |              |
| 70 x 8   | 4.216  |              |                | ○             |             |               |             | ○           | ○           |              |
| 70 x 10  | 5.086  |              | ●              | ○             |             |               |             | ○           |             |              |
| 70 x 12  | 6.228  |              |                | ○             |             |               |             |             |             |              |
| 70 x 15  | 7.260  |              |                | ○             | ○           |               |             |             |             | ○            |
| 70 x 20  | 8.800  |              | ●              | ○             |             |               |             |             |             |              |
| 72 x 6   | 3.615  |              |                | ○             |             |               |             |             |             |              |
| 75 x 2.5 | 1.537  |              |                |               |             |               |             | ●           |             |              |
| 75 x 5   | 2.969  |              |                | ○             |             |               |             | ●           |             |              |

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|-----------|--------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|
| 75 x 8    | 4.796  |              |                | ○             |             |               |             |             |             |              |
| 75 x 10   | 5.612  | ○            | ●              |               | ○           |               |             |             | ○           |              |
| 76 x 2.5  | 1.650  |              |                |               |             |               |             | ○           |             |              |
| 76 x 3    | 1.858  | ○            |                |               |             |               |             | ○           |             |              |
| 76 x 9    | 5.315  |              |                | ○             |             |               |             |             |             |              |
| 76 x 12   | 8.723  |              |                | ○             |             |               |             |             |             |              |
| 80 x 1.6  | 1.102  |              | ●              |               |             |               |             |             |             |              |
| 80 x 2    | 1.325  |              |                |               |             |               |             | ●           |             |              |
| 80 x 2.5  | 1.643  |              |                |               |             |               |             | ●           |             |              |
| 80 x 3    | 1.890  | ○            |                |               |             |               |             | ●           |             |              |
| 80 x 4    | 2.577  |              |                |               |             |               |             | ○           |             |              |
| 80 x 5    | 3.180  |              | ●              | ○             |             | ○             | ○           | ●           | ○           |              |
| 80 x 8    | 4.896  |              |                | ○             |             |               |             |             | ○           |              |
| 80 x 10   | 6.362  |              | ●              | ○             |             |               |             | ●           | ○           |              |
| 80 x 12   | 7.302  |              |                | ○             |             |               |             |             |             |              |
| 80 x 15   | 8.725  |              |                | ○             |             |               |             | ○           | ○           |              |
| 80 x 20   | 10.560 |              | ●              | ○             |             |               |             |             | ○           |              |
| 82 x 6    | 4.010  |              |                | ○             |             |               |             |             |             |              |
| 84 x 2    | 1.390  |              |                |               |             |               |             | ○           |             |              |
| 85 x 2.5  | 1.750  | ○            |                |               |             |               |             | ○           |             |              |
| 85 x 3    | 2.091  |              |                |               |             |               |             | ○           |             |              |
| 85 x 5    | 3.393  |              |                | ○             |             |               |             | ●           |             | ○            |
| 85 x 6    | 4.019  |              |                | ○             |             |               |             |             |             |              |
| 85 x 10   | 6.711  |              | ●              | ○             |             |               |             | ○           |             |              |
| 85 x 15   | 6.600  |              |                |               |             |               |             | ○           |             |              |
| 85 x 20   | 7.302  |              |                | ○             |             |               |             | ○           |             |              |
| 86 x 3    | 2.115  | ○            |                |               |             |               |             | ○           |             |              |
| 87 x 7    | 4.760  |              |                | ○             |             |               |             |             |             |              |
| 88 x 10   | 6.980  |              |                | ○             |             |               |             |             |             |              |
| 90 x 2    | 1.493  |              |                |               |             |               |             | ○           |             |              |
| 90 x 2.5  | 1.855  |              |                |               |             |               |             | ●           |             |              |
| 90 x 3    | 2.212  |              |                |               |             |               |             | ●           |             |              |
| 90 x 4    | 2.978  |              |                |               |             |               |             | ○           |             |              |
| 90 x 5    | 3.600  | ○            | ●              | ○             |             |               | ○           | ●           | ○           |              |
| 90 x 8    | 5.576  |              |                |               |             | ○             |             |             |             |              |
| 90 x 10   | 6.800  |              | ●              | ○             |             |               |             | ○           | ○           |              |
| 90 x 15   | 9.563  |              |                | ○             |             |               |             | ●           | ○           | ○            |
| 90 x 20   | 12.310 |              | ●              | ○             |             |               |             |             | ○           |              |
| 95 x 2.5  | 1.960  |              |                |               |             |               |             | ○           |             |              |
| 100 x 2   | 1.663  |              | ●              |               |             |               |             | ●           |             |              |
| 100 x 2.5 | 2.066  |              |                |               |             |               |             | ○           |             |              |
| 100 x 3   | 2.470  |              |                |               |             |               |             | ●           |             |              |
| 100 x 4   | 3.250  |              |                |               |             |               |             | ○           |             |              |

● DISPO

○ DELAI 8 A 10 JOURS

# Tubes Ronds



| ALLIAGES   | KG / M | 1050 A<br>A5 | 2017 A<br>AU4G | 2030<br>AU4PB | 5056<br>AG5 | 5083<br>AG4.5 | 5754<br>AG3 | 6060<br>AGS | 6082<br>ASG | 7020<br>AZ5G |
|------------|--------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|
| 100 x 5    | 4.032  |              | ●              | ○             |             |               | ○           | ●           | ○           |              |
| 100 x 6    | 4.794  |              |                | ○             |             | ○             |             |             |             |              |
| 100 x 7.5  | 5.881  |              |                |               |             |               |             | ●           |             |              |
| 100 x 8    | 6.980  |              |                | ○             |             |               |             |             |             |              |
| 100 x 10   | 7.630  |              | ●              | ○             |             |               |             | ●           | ○           | ○            |
| 100 x 15   | 11.220 |              |                | ○             |             |               |             | ○           | ○           |              |
| 100 x 20   | 14.070 |              | ●              | ○             | ○           |               |             | ●           | ○           |              |
| 100 x 30   | 18.470 |              |                | ○             |             |               |             | ○           |             |              |
| 102 x 6.35 | 5.162  |              |                |               |             |               |             |             | ○           |              |
| 105 x 6    | 5.035  |              |                |               |             |               |             | ○           |             |              |
| 105 x 10   | 7.486  |              |                |               |             |               |             | ○           |             |              |
| 105 x 15   | 11.869 |              |                |               |             |               |             | ○           |             |              |
| 106 x 3    | 2.650  | ○            |                |               |             |               | ○           | ○           | ○           |              |
| 108 x 4    | 3.528  | ○            |                |               |             |               | ○           | ○           |             |              |
| 110 x 3    | 2.722  |              |                |               |             |               |             | ○           |             |              |
| 110 x 5    | 4.455  |              |                | ●             |             |               | ○           | ●           | ○           |              |
| 110 x 8    | 6.980  |              |                |               |             | ○             |             | ○           |             |              |
| 110 x 10   | 8.930  |              | ●              | ○             |             |               |             | ○           | ○           | ○            |
| 110 x 15   | 12.528 |              |                |               |             |               |             | ○           |             |              |
| 110 x 20   | 16.120 |              | ●              | ○             |             |               |             | ○           |             |              |
| 115 x 10   | 9.231  |              |                |               |             |               |             | ○           |             |              |
| 115 x 20   | 16.120 |              |                |               |             |               |             |             | ○           |              |
| 120 x 3    | 2.975  |              |                |               |             |               |             | ○           |             |              |
| 120 x 4    | 3.940  |              |                |               |             |               |             | ○           |             |              |
| 120 x 5    | 5.210  |              | ●              | ○             |             |               |             | ●           | ○           |              |
| 120 x 6    | 6.247  |              |                | 2011          |             |               |             | ○           |             |              |
| 120 x 8    | 7.980  |              |                |               |             |               |             | ○           | ○           |              |
| 120 x 10   | 9.849  |              | ●              | ○             |             |               |             | ○           | ○           |              |
| 120 x 15   | 14.090 |              |                | ○             |             |               |             | ○           | ○           |              |
| 120 x 20   | 17.590 |              | ●              | ○             |             |               |             | ○           |             |              |
| 120 x 25   | 20.881 |              |                |               |             |               |             | ○           |             | ○            |
| 120 x 30   | 23.750 |              |                | ○             |             |               |             |             |             |              |
| 125 x 3    | 3.102  |              |                |               |             |               |             | ○           |             |              |
| 125 x 3.5  | 3.605  |              |                |               |             |               |             | ●           |             |              |
| 125 x 5    | 5.086  |              |                |               |             |               | ○           | ○           | ○           |              |
| 125 x 10   | 10.430 |              |                |               |             |               |             | ○           |             |              |
| 125 x 20   | 18.463 |              |                |               |             |               |             | ○           |             |              |
| 130 x 3    | 3.231  |              |                |               |             |               |             | ○           |             |              |
| 130 x 5    | 5.670  |              |                | ○             |             |               |             | ●           | ○           | ○            |
| 130 x 10   | 10.200 |              | ●              | ○             |             |               |             | ○           | ○           |              |
| 130 x 15   | 15.437 |              |                | ○             |             |               |             | ○           | ○           |              |
| 130 x 20   | 18.652 |              | ●              | ○             |             |               |             | ○           |             |              |
| 130 x 30   | 26.376 |              | ○              | ○             |             |               |             | ○           |             |              |

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# Tubes Ronds

| ALLIAGES   | KG / M | 1050 A<br>A5 | 2017 A<br>AU4G | 2030<br>AU4PB | 5056<br>AG5 | 5083<br>AG4.5 | 5754<br>AG3 | 6060<br>AGS | 6082<br>ASG | 7020<br>AZ5G |
|------------|--------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|
| 131 x 3    | 3.264  | ○            |                |               |             |               | ○           | ○           |             |              |
| 133 x 3    | 3.306  |              |                |               |             |               |             | ○           |             |              |
| 133 x 4    | 4.610  | ○            |                |               |             |               |             | ○           |             |              |
| 135 x 10   | 10.600 |              |                |               |             |               |             | ○           | ○           |              |
| 135 x 20   | 19.510 |              |                |               |             |               |             | ○           | ○           |              |
| 140 x 4    | 4.782  |              |                |               |             |               |             | ○           |             |              |
| 140 x 5    | 5.934  |              |                |               |             |               |             | ●           |             |              |
| 140 x 10   | 11.050 | ●            | ●              | ○             |             |               |             | ○           | ○           |              |
| 140 x 15   | 16.779 |              |                | ○             |             |               |             | ○           |             |              |
| 140 x 20   | 21.478 |              | ●              | ○             |             |               |             | ○           |             |              |
| 140 x 25   | 25.277 |              |                |               |             |               |             | ○           | ○           |              |
| 140 x 30   | 28.700 |              |                |               |             |               |             | ○           | ○           | ○            |
| 150 x 3    | 3.740  |              |                |               |             |               |             | ●           |             |              |
| 150 x 5    | 6.155  | ○            |                |               |             |               |             | ●           |             |              |
| 150 x 8    | 9.656  |              |                |               |             | ○             |             | ○           | ○           |              |
| 150 x 10   | 11.610 |              | ●              | ○             |             | ○             |             | ●           | ○           |              |
| 150 x 15   | 18.488 |              |                | ○             |             |               |             | ○           | ○           |              |
| 150 x 20   | 22.859 |              | ●              |               |             |               |             | ○           | ○           |              |
| 150 x 25   | 27.970 | ○            |                | ○             |             |               |             | ○           | ○           |              |
| 150 x 30   | 31.651 |              | ●              |               |             |               |             |             |             |              |
| 152 x 6    | 7.701  |              |                |               |             |               |             | ○           |             |              |
| 156 x 3    | 3.920  | ○            |                |               |             |               |             | ○           |             |              |
| 160 x 4    | 5.297  |              |                |               |             |               |             | ○           |             |              |
| 160 x 5    | 6.574  |              |                | ○             |             |               |             | ●           |             |              |
| 160 x 6    | 8.123  |              |                |               |             |               |             | ○           |             |              |
| 160 x 8    | 10.410 |              |                |               |             |               |             | ○           | ○           |              |
| 160 x 10   | 12.750 |              | ○              | ○             |             |               |             | ○           | ○           |              |
| 160 x 15   | 18.488 |              |                | ○             |             |               |             | ○           | ○           |              |
| 160 x 20   | 24.630 |              | ○              | ○             |             |               |             | ○           | ○           |              |
| 160 x 30   | 34.900 |              |                | ●             |             |               |             | ○           |             |              |
| 165 x 5    | 6.782  |              |                |               |             |               |             | ○           |             |              |
| 165 x 20   | 24.590 |              |                |               |             |               |             | ○           |             |              |
| 165 x 25   | 30.440 |              |                |               |             |               |             |             |             | ○            |
| 170 x 3    | 4.250  |              |                |               |             |               |             | ○           | ○           |              |
| 170 x 5    | 7.000  |              |                |               |             |               |             | ○           | ○           |              |
| 170 x 10   | 13.600 |              |                | ○             |             |               |             | ○           | ○           |              |
| 170 x 12.5 | 16.690 |              |                |               |             |               |             | ○           | ○           |              |
| 170 x 15   | 19.710 |              |                | ○             |             |               |             | ○           | ○           |              |
| 170 x 20   | 25.430 |              |                | ○             |             |               |             | ○           | ○           |              |
| 170 x 30   | 36.926 |              |                | ○             |             |               |             |             |             |              |
| 180 x 4    | 5.968  |              |                |               |             |               |             | ○           |             |              |
| 180 x 5    | 7.438  |              |                |               |             |               |             | ●           | ○           |              |
| 180 x 6    | 8.853  |              |                |               |             |               |             | ○           |             |              |
| 180 x 10   | 14.413 |              | ●              | ○             |             |               |             | ○           | ○           |              |

● DISPO

○ DELAI 8 A 10 JOURS

# Tubes Ronds



| ALLIAGES   | KG / M | 1050 A<br>A5 | 2017 A<br>AU4G | 2030<br>AU4PB | 5056<br>AG5 | 5083<br>AG4.5 | 5754<br>AG3 | 6060<br>AGS | 6082<br>ASG | 7020<br>AZ5G |
|------------|--------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|
| 180 x 15   | 21.038 |              |                | ○             |             | ○             |             | ○           |             |              |
| 180 x 20   | 27.130 |              | ●              | ○             |             |               |             | ○           | ○           |              |
| 180 x 30   | 39.580 |              |                | ●             |             |               |             |             | ○           |              |
| 180 x 40   | 49.235 |              |                |               |             |               |             |             | ○           |              |
| 183 x 4    | 6.086  |              |                |               |             |               |             | ○           |             |              |
| 190 x 3    | 4.760  |              |                |               |             |               |             | ○           | ○           |              |
| 190 x 6    | 9.360  |              |                |               |             |               |             | ○           | ○           |              |
| 190 x 10   | 15.300 |              |                | ○             |             |               |             | ○           | ○           |              |
| 190 x 15   | 23.490 |              |                | ○             |             |               |             |             |             |              |
| 190 x 20   | 30.426 |              |                | ○             |             |               |             |             | ○           |              |
| 200 x 5    | 8.270  |              |                |               |             |               | ●           | ●           |             |              |
| 200 x 6    | 9.87   |              |                |               |             |               |             | ○           | ○           |              |
| 200 x 8    | 9.870  |              |                |               |             |               |             | ○           | ○           |              |
| 200 x 10   | 16.150 | ○            | ●              | ○             |             |               |             | ○           | ○           |              |
| 200 x 12.5 | 19.870 |              |                |               |             |               |             | ○           | ○           |              |
| 200 x 14   | 22.090 |              |                |               |             |               |             | ○           | ○           |              |
| 200 x 15   | 23.53  |              |                | ○             |             |               |             | ○           | ○           |              |
| 200 x 20   | 31.167 |              | ○              | ○             |             |               |             | ○           |             |              |
| 200 x 25   | 37.090 |              |                | ○             |             |               |             | ○           | ○           |              |
| 200 x 30   | 46.561 |              |                | ○             |             |               |             | ○           | ○           |              |
| 200 x 50   | 63.610 |              |                |               |             |               |             |             | ○           |              |
| 206 x 3    | 5.177  |              |                |               |             |               |             | ○           |             |              |
| 208 x 4    | 6.920  | ○            |                |               |             |               | ○           | ○           | ○           |              |
| 210 x 5    | 8.690  |              |                |               |             |               |             | ○           | ○           |              |
| 210 x 10   | 17.000 |              |                |               |             |               |             | ○           | ○           |              |
| 210 x 15   | 24.810 |              |                |               |             |               |             |             | ○           |              |
| 210 x 20   | 32.220 |              |                |               |             |               |             | ○           | ○           |              |
| 220 x 5    | 9.138  |              |                |               |             |               |             |             | ○           |              |
| 220 x 8    | 14.416 |              |                |               |             |               |             |             | ○           |              |
| 220 x 10   | 17.850 |              |                |               |             |               |             | ●           | ●           | ○            |
| 220 x 15   | 26.070 |              |                |               |             |               |             | ○           | ○           |              |
| 220 x 20   | 35.168 |              |                |               |             |               |             | ○           | ○           |              |
| 220 x 25   | 44.507 |              |                | 2011          |             |               |             |             |             |              |
| 220 x 30   | 48.330 |              |                |               |             |               |             | ○           | ○           |              |
| 225 x 10   | 18.275 |              |                |               |             |               |             |             | ○           |              |
| 230 x 5    | 9.540  |              |                |               |             |               |             | ○           | ○           |              |
| 230 x 10   | 18.700 |              |                |               |             |               |             | ○           | ○           |              |
| 230 x 15   | 27.413 |              |                |               |             |               |             |             | ○           |              |
| 230 x 20   | 35.630 |              |                |               |             |               |             |             | ○           |              |
| 230 x 25   | 43.450 |              |                |               |             |               |             | ○           | ○           |              |
| 230 x 30   | 52.190 |              |                |               |             |               |             |             | ○           | ○            |
| 236 x 25.5 | 45.530 |              |                |               |             |               |             | ○           | ○           |              |
| 240 x 5    | 9.960  |              |                |               |             |               |             | ○           | ○           |              |
| 240 x 10   | 19.500 |              |                |               |             |               |             | ○           | ○           |              |
| 240 x 15   | 28.610 |              |                |               |             |               |             | ○           | ○           |              |

● DISPO

○ DELAI 8 A 10 JOURS



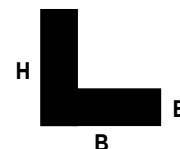
# Tubes Ronds

| ALLIAGES   | KG / M | 1050 A<br>A5 | 2017 A<br>AU4G | 2030<br>AU4PB | 5056<br>AG5 | 5083<br>AG4.5 | 5754<br>AG3 | 6060<br>AGS | 6082<br>ASG | 7020<br>AZ5G |
|------------|--------|--------------|----------------|---------------|-------------|---------------|-------------|-------------|-------------|--------------|
| 240 x 20   | 40.170 |              |                | ○             |             |               |             | ○           | ○           |              |
| 240 x 30   | 55.4   |              |                |               |             |               |             |             | ○           |              |
| 250 x 5    | 10.390 |              |                |               |             |               |             | ●           | ○           |              |
| 250 x 8    | 16.510 |              |                |               |             |               |             | ○           | ○           |              |
| 250 x 10   | 20.350 |              | ●              |               |             |               |             | ○           | ○           |              |
| 250 x 12   | 24.230 |              |                |               |             |               |             | ○           | ○           |              |
| 250 x 15   | 29.890 |              |                |               |             |               |             | ○           | ○           |              |
| 250 x 20   | 40.433 |              | ●              |               |             |               |             |             |             |              |
| 250 x 50   | 88.900 |              |                |               |             |               |             |             | ○           |              |
| 258 x 4    | 8.636  |              |                |               |             |               |             | ○           |             |              |
| 260 x 5    | 10.810 |              |                |               |             |               | ○           | ○           | ○           |              |
| 260 x 10   | 21.200 |              |                |               |             |               |             |             | ○           |              |
| 260 x 12   | 26.164 |              |                |               |             |               |             | ○           |             |              |
| 260 x 15   | 32.310 |              |                |               |             |               |             |             | ○           |              |
| 260 x 20   | 42.201 |              |                |               |             |               |             |             | ○           |              |
| 260 x 30   | 28.500 |              |                |               |             |               |             | ○           | ○           |              |
| 260 x 55   | 95.590 |              |                |               |             |               |             |             | ○           |              |
| 270 x 45   | 85.900 |              |                |               |             |               |             |             | ○           |              |
| 277 x 10   | 22.650 |              |                |               |             |               |             |             | ○           |              |
| 280 x 10   | 22.950 |              |                |               |             |               |             | ○           | ○           |              |
| 280 x 15   | 34.950 |              |                |               |             |               |             |             | ○           |              |
| 280 x 30   | 65.940 |              |                |               |             |               |             |             | ○           |              |
| 285 x 20   | 46.597 |              |                |               |             |               |             |             | ○           |              |
| 300 x 10   | 24.580 |              |                |               |             |               |             | ●           | ○           |              |
| 300 x 11.5 | 28.140 |              |                |               |             |               |             | ○           | ○           |              |
| 300 x 16   | 38.520 |              |                |               |             |               |             | ○           | ○           |              |
| 300 x 27.5 | 65.450 |              |                |               |             |               |             | ○           | ○           |              |
| 303 x 17   | 41.240 |              |                |               |             |               |             | ○           | ○           |              |
| 303 x 18   | 43.490 |              |                |               |             |               |             | ○           | ○           |              |
| 308 x 4    | 10.309 |              |                |               |             |               |             | ○           |             |              |
| 310 x 27.5 | 65.900 |              |                |               |             |               |             | ○           | ○           |              |
| 310 x 20   | 49.200 |              |                |               |             |               |             | ○           | ○           |              |
| 320 x 10   | 26.290 |              |                |               |             |               |             | ○           |             |              |
| 322 x 17   | 43.310 |              |                |               |             |               |             | ○           | ○           |              |
| 324 x 6.5  | 17.500 |              |                |               |             |               |             |             | ○           |              |
| 330 x 10   | 27.150 |              |                |               |             |               |             | ○           |             |              |
| 350 x 10   | 28.830 |              |                |               |             |               |             | ○           | ○           |              |
| 360 x 10   | 29.690 |              |                |               |             |               |             | ○           | ○           |              |
| 365 x 25.5 | 73.400 |              |                |               |             |               |             | ○           | ○           |              |
| 370 x 10   | 30.520 |              |                |               |             |               |             | ○           | ○           |              |
| 380 x 10   | 31.370 |              |                |               |             |               |             | ○           | ○           |              |
| 400 x 4    | 25.990 |              |                |               |             | ○             |             |             |             |              |
| 400 x 16   | 70.503 |              |                |               |             |               |             | ○           |             |              |
| 406 x 19   | 62.340 |              |                |               |             |               |             | ○           | ○           |              |

● DISPO

○ DELAI 8 A 10 JOURS

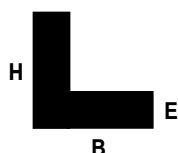
# Cornières AGS



| B x H x E       | KG / M   | Réf. |
|-----------------|----------|------|
| L 10 x 10 x 2   | mm 0.100 | 404  |
| L 12 x 12 x 2   | mm 0.120 | 404  |
| L 15 x 10 x 2   | mm 0.124 | 403  |
| L 15 x 15 x 1.5 | mm 0.115 | 403  |
| L 15 x 15 x 2   | mm 0.151 | 402  |
| L 15 x 15 x 3   | mm 0.219 | 403  |
| L 20 x 10 x 2   | mm 0.151 | 402  |
| L 20 x 10 x 3   | mm 0.218 | 403  |
| L 20 x 15 x 2   | mm 0.178 | 401  |
| L 20 x 15 x 2.5 | mm 0.220 | 403  |
| L 20 x 15 x 3   | mm 0.260 | 403  |
| L 20 x 20 x 1.5 | mm 0.150 | 402  |
| L 20 x 20 x 2   | mm 0.205 |      |
| L 20 x 20 x 2.5 | mm 0.255 | 401  |
| L 20 x 20 x 3   | mm 0.299 |      |
| L 20 x 20 x 4   | mm 0.390 | 402  |
| L 25 x 10 x 2   | mm 0.180 | 402  |
| L 25 x 10 x 2.5 | mm 0.219 | 403  |
| L 25 x 15 x 2   | mm 0.205 |      |
| L 25 x 15 x 2.5 | mm 0.253 | 403  |
| L 25 x 15 x 3   | mm 0.300 | 402  |
| L 25 x 20 x 2   | mm 0.235 | 403  |
| L 25 x 20 x 2.5 | mm 0.286 | 403  |
| L 25 x 20 x 3   | mm 0.340 | 403  |
| L 25 x 25 x 2   | mm 0.259 |      |
| L 25 x 25 x 2.5 | mm 0.321 |      |
| L 25 x 25 x 3   | mm 0.380 |      |
| L 25 x 25 x 4   | mm 0.500 | 402  |
| L 30 x 10 x 2   | mm 0.205 | 403  |
| L 30 x 15 x 2   | mm 0.232 | 403  |
| L 30 x 15 x 3   | mm 0.340 | 403  |
| L 30 x 20 x 1.5 | mm 0.196 | 402  |
| L 30 x 20 x 2   | mm 0.260 |      |
| L 30 x 20 x 2.5 | mm 0.320 | 404  |
| L 30 x 20 x 3   | mm 0.380 | 402  |

| B x H x E       | KG / M   | Réf. |
|-----------------|----------|------|
| L 30 x 20 x 4   | mm 0.500 | 403  |
| L 30 x 25 x 2   | mm 0.286 | 402  |
| L 30 x 25 x 3   | mm 0.425 | 402  |
| L 30 x 30 x 2   | mm 0.313 |      |
| L 30 x 30 x 2.5 | mm 0.390 | 403  |
| L 30 x 30 x 3   | mm 0.465 |      |
| L 30 x 30 x 4   | mm 0.604 |      |
| L 30 x 30 x 5   | mm 0.742 | 402  |
| L 35 x 10 x 2   | mm 0.236 | 404  |
| L 35 x 15 x 2   | mm 0.260 | 404  |
| L 35 x 15 x 2.5 | mm 0.330 | 404  |
| L 35 x 20 x 2   | mm 0.290 | 404  |
| L 35 x 20 x 3   | mm 0.421 | 404  |
| L 35 x 25 x 2   | mm 0.315 | 404  |
| L 35 x 25 x 3   | mm 0.480 | 404  |
| L 35 x 30 x 3   | mm 0.502 | 404  |
| L 35 x 35 x 2   | mm 0.370 | 401  |
| L 35 x 35 x 3   | mm 0.545 |      |
| L 35 x 35 x 4   | mm 0.715 | 402  |
| L 35 x 35 x 5   | mm 0.878 | 403  |
| L 40 x 10 x 2   | mm 0.260 | 403  |
| L 40 x 15 x 2   | mm 0.290 | 403  |
| L 40 x 15 x 4   | mm 0.551 | 404  |
| L 40 x 20 x 2   | mm 0.315 |      |
| L 40 x 20 x 2.5 | mm 0.388 | 403  |
| L 40 x 20 x 3   | mm 0.461 |      |
| L 40 x 20 x 4   | mm 0.604 |      |
| L 40 x 20 x 5   | mm 0.742 | 404  |
| L 40 x 25 x 2   | mm 0.340 | 403  |
| L 40 x 25 x 2.5 | mm 0.421 | 402  |
| L 40 x 25 x 3   | mm 0.505 |      |
| L 40 x 25 x 4   | mm 0.680 |      |
| L 40 x 30 x 2   | mm 0.370 |      |
| L 40 x 30 x 2.5 | mm 0.455 | 403  |
| L 40 x 30 x 3   | mm 0.545 |      |
| L 40 x 30 x 4   | mm 0.713 | 403  |
| L 40 x 40 x 2   | mm 0.423 |      |
| L 40 x 40 x 3   | mm 0.650 |      |

**GAMME DE PRIX: SUIVANT RÉF.  
DELAI : DISPO OU 8 JOURS SI RUPTURE**



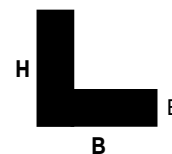
# Cornières AGS

| B x H x E       | KG / M   | Réf. |
|-----------------|----------|------|
| L 40 x 40 x 4   | mm 0.824 |      |
| L 40 x 40 x 5   | mm 1.015 |      |
| L 45 x 10 x 2   | mm 0.286 | 403  |
| L 45 x 15 x 2   | mm 0.315 | 403  |
| L 45 x 20 x 2   | mm 0.340 | 403  |
| L 45 x 20 x 3   | mm 0.502 | 403  |
| L 45 x 25 x 2   | mm 0.373 | 403  |
| L 45 x 30 x 3   | mm 0.585 | 403  |
| L 45 x 45 x 2   | mm 0.475 | 403  |
| L 45 x 45 x 4   | mm 0.930 | 403  |
| L 45 x 45 x 5   | mm 1.170 | 404  |
| L 50 x 15 x 2   | mm 0.340 | 404  |
| L 50 x 15 x 2.5 | mm 0.425 | 404  |
| L 50 x 15 x 3   | mm 0.515 | 404  |
| L 50 x 20 x 2   | mm 0.370 |      |
| L 50 x 20 x 2.5 | mm 0.455 | 404  |
| L 50 x 20 x 3   | mm 0.545 |      |
| L 50 x 25 x 2   | mm 0.395 | 403  |
| L 50 x 25 x 2.5 | mm 0.489 | 403  |
| L 50 x 25 x 3   | mm 0.585 | 403  |
| L 50 x 25 x 4   | mm 0.766 | 403  |
| L 50 x 25 x 5   | mm 0.955 | 403  |
| L 50 x 30 x 2   | mm 0.426 |      |
| L 50 x 30 x 3   | mm 0.625 |      |
| L 50 x 30 x 4   | mm 0.821 |      |
| L 50 x 30 x 5   | mm 1.027 | 403  |
| L 50 x 35 x 4   | mm 0.895 | 404  |
| L 50 x 40 x 2   | mm 0.475 | 403  |
| L 50 x 40 x 3   | mm 0.704 | 403  |
| L 50 x 40 x 4   | mm 0.929 | 403  |
| L 50 x 40 x 5   | mm 1.175 | 403  |
| L 50 x 50 x 2   | mm 0.531 |      |
| L 50 x 50 x 3   | mm 0.785 | 402  |
| L 50 x 50 x 4   | mm 1.040 |      |
| L 50 x 50 x 5   | mm 1.290 |      |
| L 50 x 50 x 6   | mm 1.555 | 403  |
| L 50 x 50 x 8   | mm 1.990 | 403  |
| L 50 x 50 x 10  | mm 2.430 | 404  |

| B x H x E       | KG / M   | Réf. |
|-----------------|----------|------|
| L 60 x 15 x 2   | mm 0.394 | 404  |
| L 60 x 20 x 2   | mm 0.425 |      |
| L 60 x 20 x 2.5 | mm 0.523 | 403  |
| L 60 x 20 x 3   | mm 0.625 | 403  |
| L 60 x 25 x 2   | mm 0.448 | 404  |
| L 60 x 25 x 2.5 | mm 0.556 | 404  |
| L 60 x 25 x 3   | mm 0.664 | 403  |
| L 60 x 30 x 2   | mm 0.475 |      |
| L 60 x 30 x 3   | mm 0.704 |      |
| L 60 x 30 x 4   | mm 0.928 | 402  |
| L 60 x 30 x 5   | mm 1.163 | 403  |
| L 60 x 40 x 2   | mm 0.530 |      |
| L 60 x 40 x 3   | mm 0.785 | 402  |
| L 60 x 40 x 4   | mm 1.040 |      |
| L 60 x 40 x 5   | mm 1.285 |      |
| L 60 x 40 x 6   | mm 1.523 | 403  |
| L 60 x 50 x 2   | mm 0.585 | 404  |
| L 60 x 60 x 2   | mm 0.630 |      |
| L 60 x 60 x 2.5 | mm 0.793 | 404  |
| L 60 x 60 x 3   | mm 0.950 | 402  |
| L 60 x 60 x 4   | mm 1.252 |      |
| L 60 x 60 x 5   | mm 1.552 | 402  |
| L 60 x 60 x 6   | mm 1.850 |      |
| L 60 x 60 x 8   | mm 2.419 | 403  |
| L 60 x 60 x 10  | mm 2.970 | 403  |
| L 65 x 15 x 2   | mm 0.425 | 404  |
| L 65 x 25 x 2.5 | mm 0.591 | 404  |
| L 70 x 15 x 2   | mm 0.448 | 403  |
| L 70 x 20 x 2   | mm 0.467 | 403  |
| L 70 x 25 x 2.5 | mm 0.624 | 403  |
| L 70 x 30 x 2   | mm 0.527 | 403  |
| L 70 x 30 x 3   | mm 0.800 | 403  |
| L 70 x 40 x 2   | mm 0.640 | 403  |
| L 70 x 70 x 2.5 | mm 0.927 | 403  |
| L 70 x 70 x 5   | mm 1.823 | 404  |
| L 70 x 70 x 6   | mm 2.170 | 403  |
| L 70 x 70 x 7   | mm 2.514 | 404  |

GAMME DE PRIX: SUIVANT REF.  
 DELAI : DISPO OU 8 JOURS SI RUPTURE

# Cornières AGS



| B x H x E     | KG / M   | Réf. |
|---------------|----------|------|
| L 75 x 50 x 5 | mm 1.680 | 404  |

|                 |          |     |
|-----------------|----------|-----|
| L 80 x 15 x 2   | mm 0.502 | 404 |
| L 80 x 20 x 2   | mm 0.530 |     |
| L 80 x 25 x 2.5 | mm 0.695 | 403 |
| L 80 x 30 x 3   | mm 0.900 | 402 |
| L 80 x 40 x 2   | mm 0.655 |     |
| L 80 x 40 x 3   | mm 0.950 |     |
| L 80 x 40 x 4   | mm 1.253 |     |
| L 80 x 40 x 5   | mm 1.553 | 403 |
| L 80 x 40 x 6   | mm 1.850 | 403 |
| L 80 x 50 x 3   | mm 1.030 | 402 |
| L 80 x 50 x 4   | mm 1.361 |     |
| L 80 x 50 x 5   | mm 1.690 | 403 |
| L 80 x 50 x 6   | mm 2.010 | 402 |
| L 80 x 60 x 4   | mm 1.470 | 402 |
| L 80 x 60 x 6   | mm 2.250 | 402 |
| L 80 x 80 x 2   | mm 0.850 | 404 |
| L 80 x 80 x 3   | mm 1.275 | 404 |
| L 80 x 80 x 4   | mm 1.685 | 402 |
| L 80 x 80 x 5   | mm 2.135 | 402 |
| L 80 x 80 x 6   | mm 2.500 |     |
| L 80 x 80 x 8   | mm 3.283 |     |
| L 80 x 80 x 10  | mm 4.120 | 404 |

|                |          |     |
|----------------|----------|-----|
| L 90 x 40 x 4  | mm 1.361 | 404 |
| L 90 x 90 x 3  | mm 1.500 | 403 |
| L 90 x 90 x 10 | mm 4.590 | 404 |

|                 |          |     |
|-----------------|----------|-----|
| L 100 x 20 x 2  | mm 0.637 | 401 |
| L 100 x 30 x 3  | mm 1.027 | 402 |
| L 100 x 40 x 2  | mm 0.745 | 404 |
| L 100 x 40 x 4  | mm 1.470 | 403 |
| L 100 x 50 x 3  | mm 1.200 | 402 |
| L 100 x 50 x 5  | mm 1.958 |     |
| L 100 x 50 x 6  | mm 2.332 | 402 |
| L 100 x 50 x 10 | mm 3.920 | 403 |
| L 100 x 60 x 6  | mm 2.490 | 403 |
| L 100 x 60 x 8  | mm 3.380 | 403 |
| L 100 x 70 x 2  | mm 0.920 | 407 |

| B x H x E        | KG / M   | Réf. |
|------------------|----------|------|
| L 100 x 80 x 4   | mm 1.904 | 403  |
| L 100 x 80 x 6   | mm 2.786 | 403  |
| L 100 x 80 x 8   | mm 3.715 | 404  |
| L 100 x 100 x 3  | mm 1.600 | 404  |
| L 100 x 100 x 4  | mm 2.110 | 402  |
| L 100 x 100 x 6  | mm 3.200 | 402  |
| L 100 x 100 x 8  | mm 4.225 | 402  |
| L 100 x 100 x 10 | mm 5.200 | 402  |

|                |          |     |
|----------------|----------|-----|
| L 110 x 30 x 2 | mm 0.745 | 404 |
|----------------|----------|-----|

|                  |          |     |
|------------------|----------|-----|
| L 120 x 20 x 2.5 | mm 0.928 | 403 |
| L 120 x 40 x 4   | mm 1.685 | 402 |
| L 120 x 50 x 5   | mm 2.230 | 403 |
| L 120 x 60 x 6   | mm 2.820 | 403 |
| L 120 x 60 x 8   | mm 3.780 | 402 |
| L 120 x 80 x 3   | mm 1.595 | 403 |
| L 120 x 80 x 8   | mm 4.145 | 404 |
| L 120 x 80 x 10  | mm 5.130 | 403 |
| L 120 x 120 x 8  | mm 5.200 | 404 |

|                |          |     |
|----------------|----------|-----|
| L 130 x 30 x 3 | mm 1.270 | 404 |
|----------------|----------|-----|

|                |          |     |
|----------------|----------|-----|
| L 140 x 40 x 3 | mm 1.434 | 404 |
|----------------|----------|-----|

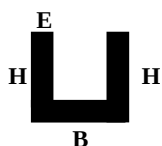
|                  |          |     |
|------------------|----------|-----|
| L 150 x 50 x 4   | mm 2.120 | 404 |
| L 150 x 50 x 8   | mm 3.660 | 404 |
| L 150 x 100 x 5  | mm 3.310 | 403 |
| L 150 x 100 x 10 | mm 6.750 | 404 |

|                |          |     |
|----------------|----------|-----|
| L 160 x 40 x 4 | mm 4.579 | 404 |
| L 160 x 60 x 8 | mm 4.579 | 404 |

|                 |          |     |
|-----------------|----------|-----|
| L 180 x 150 x 6 | mm 4.579 | 408 |
| L 180 x 80 x 10 | mm 6.750 | 404 |

|                  |           |     |
|------------------|-----------|-----|
| L 200 x 100 x 10 | mm 7.830  | 404 |
| L 200 x 100 x 15 | mm 11.543 | 404 |

**GAMME DE PRIX: SUIVANT REF.**  
**DELAI : DISPO OU 8 JOURS SI RUPTURE**

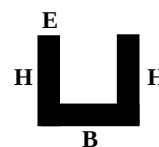


# Profils U AGS

| H x B x H x E           | KG / M     | H x B x H x E           | KG / M     |
|-------------------------|------------|-------------------------|------------|
| U 10 x 10 x 10 x 2 mm   | 0.145 xxx  | U 20 x 35 x 20 x 2 mm   | 0.385 xxx  |
| U 20 x 10 x 20 x 2 mm   | 0.248 xxxx | U 25 x 35 x 25 x 2 mm   | 0.437 xxx  |
|                         |            | U 35 x 35 x 35 x 2 mm   | 0.565 xxx  |
| U 12 x 12 x 12 x 1.5 mm | 0.134 xxx  | U 35 x 35 x 35 x 3 mm   | 0.800 xxx  |
| U 12 x 12 x 12 x 2 mm   | 0.170 xxx  | U 40 x 35 x 40 x 2.5 mm | 0.742 xxx  |
|                         |            | U 55 x 35 x 55 x 3 mm   | 1.126 xxxx |
| U 12 x 14 x 12 x 2 mm   | 0.188 xxxx | U 15 x 40 x 15 x 2 mm   | 0.356 xxxx |
| U 16 x 14 x 16 x 2 mm   | 0.226 xxxx | U 20 x 40 x 20 x 2 mm   | 0.410      |
|                         |            | U 20 x 40 x 20 x 2.5 mm | 0.506 xx   |
| U 15 x 15 x 15 x 2 mm   | 0.221 x    | U 20 x 40 x 20 x 3 mm   | 0.600 xx   |
| U 20 x 15 x 20 x 1.5 mm | 0.210 xxx  | U 20 x 40 x 20 x 4 mm   | 0.820 xxx  |
| U 20 x 15 x 20 x 2 mm   | 0.275 x    | U 25 x 40 x 25 x 2 mm   | 0.465 xxx  |
|                         |            | U 25 x 40 x 25 x 3 mm   | 0.680 xxx  |
| U 10 x 20 x 10 x 2 mm   | 0.195 xxx  | U 25 x 40 x 25 x 4 mm   | 0.886 xxx  |
| U 15 x 20 x 15 x 2 mm   | 0.260      | U 30 x 40 x 30 x 2 mm   | 0.518 xx   |
| U 20 x 20 x 20 x 1.5 mm | 0.245 xxx  | U 50 x 40 x 50 x 2 mm   | 0.734 xxx  |
| U 20 x 20 x 20 x 2 mm   | 0.320      | U 30 x 40 x 30 x 3 mm   | 0.790      |
| U 20 x 20 x 20 x 3 mm   | 0.455 xx   | U 40 x 40 x 40 x 2 mm   | 0.625 xx   |
| U 25 x 20 x 25 x 2 mm   | 0.356 xxx  | U 40 x 40 x 40 x 2.5 mm | 0.776 xxxx |
| U 30 x 20 x 30 x 2 mm   | 0.415      | U 40 x 40 x 40 x 3 mm   | 0.924 xx   |
| U 40 x 20 x 40 x 2 mm   | 0.530 xxx  | U 40 x 40 x 40 x 4 mm   | 1.250      |
| U 40 x 20 x 40 x 2.5 mm | 0.641 xx   | U 40 x 40 x 40 x 5 mm   | 1.485 xxxx |
|                         |            | U 60 x 40 x 60 x 3 mm   | 1.270 xxxx |
| U 15 x 25 x 15 x 2 mm   | 0.286 xx   | U 60 x 40 x 60 x 4 mm   | 1.641 xxxx |
| U 20 x 25 x 20 x 2 mm   | 0.302 xxx  | U 65 x 40 x 65 x 2 mm   | 0.890 xxxx |
| U 20 x 25 x 20 x 3 mm   | 0.478 xxx  |                         |            |
| U 25 x 25 x 25 x 2 mm   | 0.400      | U 25 x 45 x 25 x 3 mm   | 0.721 xxx  |
| U 25 x 25 x 25 x 3 mm   | 0.560      |                         |            |
|                         |            | U 20 x 50 x 20 x 2 mm   | 0.464 xx   |
| U 15 x 30 x 15 x 2 mm   | 0.302 xx   | U 25 x 50 x 25 x 2.5 mm | 0.642 xx   |
| U 15 x 30 x 15 x 3 mm   | 0.450 xxxx | U 20 x 50 x 20 x 3 mm   | 0.680 xxx  |
| U 20 x 30 x 20 x 2 mm   | 0.350 x    | U 30 x 50 x 30 x 2 mm   | 0.572      |
| U 20 x 30 x 20 x 3 mm   | 0.437 x    | U 30 x 50 x 30 x 3 mm   | 0.842      |
| U 30 x 30 x 30 x 2 mm   | 0.490 x    | U 30 x 50 x 30 x 4 mm   | 1.101 xxx  |
| U 30 x 30 x 30 x 3 mm   | 0.715      | U 40 x 50 x 40 x 3 mm   | 1.005 xxx  |
| U 40 x 30 x 40 x 3 mm   | 0.842 xx   | U 40 x 50 x 40 x 4 mm   | 1.318 xxx  |
| U 50 x 30 x 50 x 3 mm   | 1.166 xxx  | U 50 x 50 x 50 x 2 mm   | 0.792 xx   |
| U 60 x 30 x 60 x 2 mm   | 0.790 xxx  | U 50 x 50 x 50 x 3 mm   | 1.165 xx   |
|                         |            | U 50 x 50 x 50 x 4 mm   | 1.533 xxx  |
|                         |            | U 50 x 50 x 50 x 5 mm   | 1.940      |

**GAMME DE PRIX: SUIVANT NOMBRE DE X  
DELAI : DISPO OU 8 JOURS SI RUPTURE**

# Profils U AGS



| H x B x H x E         | KG / M     |
|-----------------------|------------|
| U 45 x 55 x 45 x 2 mm | 0.761 xxxx |
| U 50 x 55 x 50 x 2 mm | 0.815 xxxx |

|                         |           |
|-------------------------|-----------|
| U 20 x 60 x 20 x 2 mm   | 0.518 xxx |
| U 30 x 60 x 30 x 3 mm   | 0.925     |
| U 40 x 60 x 40 x 2.5 mm | 0.910 xxx |
| U 40 x 60 x 40 x 3 mm   | 1.085 xx  |
| U 40 x 60 x 40 x 4 mm   | 1.430     |
| U 40 x 60 x 40 x 5 mm   | 1.780 xxx |
| U 50 x 60 x 50 x 2 mm   | 0.864 xxx |
| U 50 x 60 x 50 x 2.5 mm | 1.046 xxx |
| U 50 x 60 x 50 x 3 mm   | 1.250 xxx |
| U 60 x 60 x 60 x 3 mm   | 1.375 xxx |
| U 60 x 60 x 60 x 4 mm   | 1.890 xxx |
| U 60 x 60 x 60 x 5 mm   | 2.295 xx  |

|                         |           |
|-------------------------|-----------|
| U 25 x 65 x 25 x 2.5 mm | 0.742 xxx |
| U 55 x 65 x 55 x 2.5 mm | 1.147 x   |

|                       |            |
|-----------------------|------------|
| U 35 x 70 x 35 x 3 mm | 1.100 xxx  |
| U 40 x 70 x 40 x 3 mm | 1.166 xxxx |
| U 40 x 70 x 40 x 4 mm | 1.970 xxxx |

|                       |           |
|-----------------------|-----------|
| U 20 x 80 x 20 x 2 mm | 0.630 xx  |
| U 30 x 80 x 30 x 3 mm | 1.085 xx  |
| U 40 x 80 x 40 x 3 mm | 1.250 xx  |
| U 40 x 80 x 40 x 4 mm | 0.642     |
| U 40 x 80 x 40 x 5 mm | 2.025 x   |
| U 40 x 80 x 40 x 6 mm | 2.380 xxx |
| U 45 x 80 x 45 x 3 mm | 1.328 xxx |
| U 45 x 80 x 45 x 6 mm | 2.560 xxx |
| U 50 x 80 x 50 x 3 mm | 1.410     |
| U 50 x 80 x 50 x 5 mm | 2.330 x   |
| U 80 x 80 x 80 x 4 mm | 2.505 xxx |

|                       |           |
|-----------------------|-----------|
| U 40 x 86 x 40 x 3 mm | 1.296 xxx |
|-----------------------|-----------|

| H x B x H x E         | KG / M    |
|-----------------------|-----------|
| U 40 x 90 x 40 x 3 mm | 1.330 xxx |
| U 50 x 90 x 50 x 3 mm | 1.490 xx  |

|                         |            |
|-------------------------|------------|
| U 20 x 100 x 20 x 2 mm  | 0.735 xxx  |
| U 40 x 100 x 40 x 3 mm  | 1.409 xx   |
| U 50 x 100 x 50 x 3 mm  | 1.571 xxx  |
| U 50 x 100 x 50 x 5 mm  | 2.565      |
| U 50 x 100 x 50 x 10 mm | 4.860 xxxx |
| U 55 x 100 x 55 x 8 mm  | 4.270 xxxx |

|                        |           |
|------------------------|-----------|
| U 40 x 106 x 40 x 3 mm | 1.458 xxx |
|------------------------|-----------|

|                        |           |
|------------------------|-----------|
| U 40 x 110 x 40 x 3 mm | 1.490 xxx |
|------------------------|-----------|

|                          |           |
|--------------------------|-----------|
| U 20 x 120 x 20 x 2.5 mm | 1.046 xxx |
| U 40 x 120 x 40 x 3 mm   | 1.620 xx  |
| U 45 x 120 x 45 x 10 mm  | 5.130 xxx |
| U 60 x 120 x 60 x 8 mm   | 4.930 xxx |

|                        |           |
|------------------------|-----------|
| U 63 x 125 x 63 x 6 mm | 3.872 xxx |
| U 80 x 125 x 80 x 8 mm | 5.810 xxx |

|                        |           |
|------------------------|-----------|
| U 40 x 140 x 40 x 3 mm | 1.730 xxx |
| U 40 x 140 x 40 x 6 mm | 3.370 xxx |

|                        |           |
|------------------------|-----------|
| U 30 x 150 x 30 x 4 mm | 2.181 xxx |
| U 37 x 150 x 37 x 3 mm | 1.825 xxx |

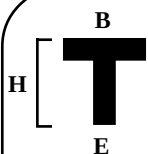
|                         |           |
|-------------------------|-----------|
| U 80 x 160 x 80 x 8 mm  | 6.566 xxx |
| U 80 x 160 x 80 x 10 mm | 8.100 xxx |

|                        |           |
|------------------------|-----------|
| U 40 x 200 x 40 x 3 mm | 2.220 xxx |
|------------------------|-----------|

|                        |           |
|------------------------|-----------|
| U 20 x 220 x 20 x 4 mm | 2.725 xxx |
|------------------------|-----------|

|                        |           |
|------------------------|-----------|
| U 38 x 260 x 38 x 3 mm | 2.673 xxx |
|------------------------|-----------|

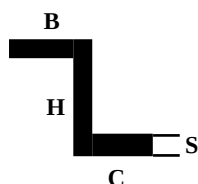
**GAMME DE PRIX: SUIVANT NOMBRE DE X  
DELAI : DISPO OU 8 JOURS SI RUPTURE**



# Profils T AGS

| B x H x E     | KG / M        |
|---------------|---------------|
| T 15 x 15 x 2 | mm 0.151 xxx  |
| T 20 x 20 x 2 | mm 0.205 x    |
| T 20 x 20 x 3 | mm 0.307 xxx  |
| T 20 x 40 x 2 | mm 0.313 xxx  |
| T 25 x 25 x 2 | mm 0.260 x    |
| T 25 x 25 x 3 | mm 0.380 x    |
| T 30 x 15 x 2 | mm 0.232 xxxx |
| T 30 x 30 x 2 | mm 0.320      |
| T 30 x 30 x 3 | mm 0.461      |
| T 35 x 35 x 2 | mm 0.367 xxxx |
| T 35 x 35 x 3 | mm 0.545 xx   |
| T 40 x 20 x 2 | mm 0.313 xxx  |
| T 40 x 40 x 2 | mm 0.421 xxx  |
| T 40 x 40 x 3 | mm 0.626      |
| T 40 x 40 x 4 | mm 0.820      |
| T 40 x 40 x 5 | mm 1.010 xxx  |

| B x H x E        | KG / M       |
|------------------|--------------|
| T 45 x 45 x 3    | mm 0.715 xxx |
| T 50 x 50 x 3    | mm 0.800 xxx |
| T 50 x 50 x 4    | mm 1.036 xx  |
| T 50 x 50 x 5    | mm 1.285     |
| T 50 x 50 x 6    | mm 1.523 xxx |
| T 60 x 30 x 4    | mm 0.930 xxx |
| T 60 x 40 x 5    | mm 1.282 xxx |
| T 60 x 60 x 3    | mm 0.960 xxx |
| T 60 x 60 x 4    | mm 1.252     |
| T 60 x 60 x 6    | mm 1.900 x   |
| T 70 x 70 x 5    | mm 1.823 xxx |
| T 70 x 70 x 8    | mm 2.851 xxx |
| T 80 x 50 x 5    | mm 1.688 xxx |
| T 80 x 80 x 4    | mm 1.684 xxx |
| T 80 x 80 x 6    | mm 2.494 xxx |
| T 100 x 50 x 9   | mm 3.650 xxx |
| T 100 x 60 x 5   | mm 2.090 xxx |
| T 100 x 100 x 10 | mm 5.130 xxx |



# Profils Z AGS

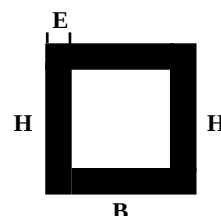
| H x B x C x S      | KG / M        |
|--------------------|---------------|
| Z 15 x 15 x 15 x 2 | mm 0.211 xxxx |
| Z 18 x 20 x 21 x 3 | mm 0.429 xxxx |
| Z 20 x 18 x 21 x 3 | mm 0.429 xxxx |
| Z 20 x 20 x 20 x 2 | mm 0.315 xxx  |
| Z 25 x 17 x 17 x 2 | mm 0.310 xxx  |
| Z 25 x 25 x 25 x 3 | mm 0.590 xxx  |
| Z 30 x 25 x 25 x 3 | mm 0.600 xxx  |
| Z 30 x 30 x 30 x 3 | mm 0.680 xxx  |
| Z 32 x 17 x 17 x 2 | mm 0.334 xxx  |

| H x B x C x S      | KG / M       |
|--------------------|--------------|
| Z 40 x 15 x 15 x 2 | mm 0.356 xxx |
| Z 40 x 30 x 30 x 3 | mm 0.765 xxx |
| Z 40 x 40 x 40 x 3 | mm 0.925 xxx |
| Z 43 x 18 x 18 x 3 | mm 0.591 xxx |
| Z 50 x 18 x 18 x 3 | mm 0.643 xxx |
| Z 50 x 35 x 35 x 3 | mm 0.923 xxx |
| Z 50 x 50 x 50 x 4 | mm 1.533 xxx |
| Z 60 x 24 x 24 x 2 | mm 0.570 xxx |
| Z 60 x 24 x 24 x 4 | mm 1.080 xxx |
| Z 60 x 30 x 30 x 2 | mm 0.630 xxx |
| Z 60 x 40 x 40 x 4 | mm 1.425 xxx |

GAMME DE PRIX: SUIVANT NOMBRE DE X  
DELAI : DISPO OU 8 JOURS SI RUPTURE

|                    |              |
|--------------------|--------------|
| Z 86 x 40 x 40 x 3 | mm 1.296 xxx |
|--------------------|--------------|

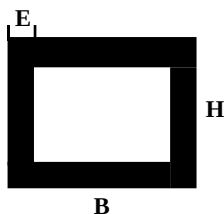
# Tubes carrés AGS



| H x B x E       |    | KG / M    |
|-----------------|----|-----------|
| □ 15 x 15 x 1.5 | mm | 0.225 xxx |
| □ 15 x 15 x 2   | mm | 0.302     |
| □ 20 x 20 x 1.5 | mm | 0.302 xx  |
| □ 20 x 20 x 2   | mm | 0.388     |
| □ 20 x 20 x 3   | mm | 0.550 xxx |
| □ 25 x 25 x 1.5 | mm | 0.373 xxx |
| □ 25 x 25 x 2   | mm | 0.496     |
| □ 25 x 25 x 3   | mm | 0.763 xx  |
| □ 30 x 30 x 1.5 | mm | 0.465 xxx |
| □ 30 x 30 x 2   | mm | 0.615     |
| □ 30 x 30 x 2.5 | mm | 0.880 xxx |
| □ 30 x 30 x 3   | mm | 0.880     |
| □ 34 x 34 x 2   | mm | 0.691 xxx |
| □ 34 x 34 x 3   | mm | 1.010 xxx |
| □ 35 x 35 x 2   | mm | 0.756     |
| □ 35 x 35 x 3   | mm | 1.036 xxx |
| □ 40 x 40 x 1.5 | mm | 0.623 xxx |
| □ 40 x 40 x 2   | mm | 0.826     |
| □ 40 x 40 x 2.5 | mm | 1.050 xx  |
| □ 40 x 40 x 3   | mm | 1.199     |
| □ 40 x 40 x 4   | mm | 1.560     |
| □ 45 x 45 x 2   | mm | 0.929 xx  |
| □ 50 x 50 x 2   | mm | 1.037     |
| □ 50 x 50 x 3   | mm | 1.540     |
| □ 50 x 50 x 4   | mm | 1.987     |
| □ 50 x 50 x 5   | mm | 2.460 x   |

| H x B x E         |    | KG / M     |
|-------------------|----|------------|
| □ 55 x 55 x 2     | mm | 1.144 xxx  |
| □ 60 x 60 x 2     | mm | 1.253      |
| □ 60 x 60 x 3     | mm | 1.820      |
| □ 60 x 60 x 4     | mm | 2.419      |
| □ 70 x 70 x 2     | mm | 1.470 xx   |
| □ 70 x 70 x 4     | mm | 2.851      |
| □ 80 x 80 x 2     | mm | 1.728      |
| □ 80 x 80 x 3     | mm | 2.495 xx   |
| □ 80 x 80 x 4     | mm | 3.283      |
| □ 80 x 80 x 5     | mm | 4.050 xxxx |
| □ 80 x 80 x 6     | mm | 4.795 xxxx |
| □ 85 x 85 x 2     | mm | 1.830 xxxx |
| □ 90 x 90 x 4     | mm | 3.715 xxx  |
| □ 100 x 100 x 2   | mm | 2.120 x    |
| □ 100 x 100 x 3   | mm | 3.143 xxx  |
| □ 100 x 100 x 4   | mm | 4.150      |
| □ 100 x 100 x 5   | mm | 5.190 xxx  |
| □ 120 x 120 x 2.5 | mm | 3.200 xxx  |
| □ 120 x 120 x 5   | mm | 6.210 xxx  |
| □ 145 x 145 x 3   | mm | 4.600 xxx  |
| □ 150 x 150 x 5   | mm | 7.830 xxxx |

**GAMME DE PRIX: SUIVANT NOMBRE DE X  
DELAI : DISPO OU 8 JOURS SI RUPTURE**



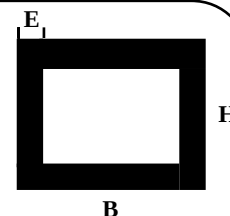
# Tubes rectangulaires AGS

| B x H x E     | KG / M        |
|---------------|---------------|
| 20 x 10 x 1.5 | mm 0.220 xxxx |
| 20 x 10 x 2   | mm 0.324 xx   |
| 20 x 15 x 2   | mm 0.335 xxxx |
| 25 x 10 x 2   | mm 0.334 xxxx |
| 25 x 15 x 1.5 | mm 0.350 xxx  |
| 25 x 15 x 2   | mm 0.389      |
| 25 x 20 x 2   | mm 0.443      |
| 30 x 10 x 1.5 | mm 0.300 xxx  |
| 30 x 10 x 2   | mm 0.388 xxx  |
| 30 x 15 x 1.5 | mm 0.340 xxx  |
| 30 x 15 x 2   | mm 0.460      |
| 30 x 20 x 1.5 | mm 0.381 xxxx |
| 30 x 20 x 2   | mm 0.496      |
| 30 x 20 x 3   | mm 0.712 xxx  |
| 30 x 25 x 2   | mm 0.551 xx   |
| 34 x 20 x 2   | mm 0.540 xxxx |
| 34 x 20 x 3   | mm 0.778 xxxx |
| 35 x 15 x 2   | mm 0.495 xx   |
| 35 x 20 x 2   | mm 0.551 xx   |
| 35 x 25 x 2   | mm 0.605      |
| 40 x 10 x 2   | mm 0.496 xxx  |
| 40 x 15 x 1.5 | mm 0.422 xxxx |
| 40 x 15 x 2   | mm 0.551 xx   |
| 40 x 20 x 1.5 | mm 0.462 xxx  |
| 40 x 20 x 2   | mm 0.604      |
| 40 x 20 x 2.5 | mm 0.810 xxx  |
| 40 x 20 x 3   | mm 0.874      |
| 40 x 20 x 4   | mm 1.132 xxx  |
| 40 x 25 x 2   | mm 0.660 xx   |
| 40 x 25 x 3   | mm 0.950 xxxx |
| 40 x 30 x 2   | mm 0.713 xx   |
| 40 x 30 x 2.5 | mm 0.877 xxxx |
| 40 x 30 x 3   | mm 1.037 xx   |
| 40 x 30 x 4   | mm 1.360 xx   |
| 45 x 20 x 2   | mm 0.605 xxx  |

| B x H x E     | KG / M        |
|---------------|---------------|
| 45 x 25 x 2   | mm 0.713 xxx  |
| 45 x 34 x 3   | mm 1.183 xxxx |
| 50 x 15 x 2   | mm 0.660 xx   |
| 50 x 20 x 2   | mm 0.712      |
| 50 x 20 x 3   | mm 1.040 x    |
| 50 x 20 x 4   | mm 1.339 xxx  |
| 50 x 25 x 2   | mm 0.765      |
| 50 x 25 x 2.5 | mm 0.945 xxx  |
| 50 x 25 x 3   | mm 1.167 x    |
| 50 x 30 x 2   | mm 0.821      |
| 50 x 30 x 3   | mm 1.198      |
| 50 x 34 x 3   | mm 1.270 xxxx |
| 50 x 40 x 2   | mm 0.930 xxx  |
| 50 x 40 x 2.5 | mm 1.147 xxxx |
| 50 x 40 x 3   | mm 1.458 xxx  |
| 50 x 40 x 4   | mm 1.771 xx   |
| 50 x 45 x 2   | mm 1.025 xxxx |
| 50 x 45 x 3   | mm 1.470 xxxx |
| 55 x 50 x 3   | mm 1.603 xxxx |
| 60 x 20 x 2   | mm 0.822 x    |
| 60 x 25 x 2   | mm 0.875 xx   |
| 60 x 25 x 3   | mm 1.280      |
| 60 x 30 x 2   | mm 0.961      |
| 60 x 30 x 3   | mm 1.361 x    |
| 60 x 34 x 3   | mm 1.430 xxxx |
| 60 x 40 x 2   | mm 1.080      |
| 60 x 40 x 2.5 | mm 1.320 xxxx |
| 60 x 40 x 3   | mm 1.523      |
| 60 x 40 x 4   | mm 1.980      |
| 60 x 50 x 3   | mm 1.700 xxx  |
| 60 x 50 x 4   | mm 2.203 xxx  |
| 70 x 20 x 2   | mm 0.928 xxx  |
| 70 x 25 x 2.5 | mm 1.210 xxx  |
| 70 x 30 x 2   | mm 1.036 xxxx |
| 70 x 30 x 3   | mm 1.522 xxxx |
| 70 x 40 x 3   | mm 2.203 xxxx |
| 70 x 50 x 2   | mm 1.260 xxxx |

GAMME DE PRIX: SUIVANT NOMBRE DE X  
DELAI : DISPO OU 8 JOURS SI RUPTURE

# Tubes rectangulaires AGS



| B x H x E        |    | KG / M |      |
|------------------|----|--------|------|
| □ 80 x 20 x 2    | mm | 1.040  | xx   |
| □ 80 x 20 x 2.5  | mm | 1.285  | xxxx |
| □ 80 x 25 x 2    | mm | 1.090  | xxx  |
| □ 80 x 30 x 2    | mm | 1.115  | xx   |
| □ 80 x 30 x 3    | mm | 1.690  | xx   |
| □ 80 x 30 x 4    | mm | 2.203  | xxx  |
| □ 80 x 40 x 2    | mm | 1.253  |      |
| □ 80 x 40 x 2.5  | mm | 1.553  | xxx  |
| □ 80 x 40 x 3    | mm | 1.847  |      |
| □ 80 x 40 x 4    | mm | 2.419  |      |
| □ 80 x 50 x 2    | mm | 1.361  | xx   |
| □ 80 x 50 x 3    | mm | 2.008  | xxx  |
| □ 80 x 50 x 4    | mm | 2.640  | xx   |
| □ 80 x 60 x 2.5  | mm | 1.822  | xxxx |
| □ 80 x 60 x 3    | mm | 2.175  | xx   |
| □ 80 x 60 x 4    | mm | 2.950  | xx   |
|                  |    |        |      |
| □ 90 x 40 x 3    | mm | 2.400  | xxxx |
|                  |    |        |      |
| □ 100 x 20 x 2   | mm | 1.274  | xx   |
| □ 100 x 25 x 2   | mm | 1.306  | xxx  |
| □ 100 x 30 x 2   | mm | 1.360  | xxx  |
| □ 100 x 30 x 3   | mm | 2.010  |      |
| □ 100 x 40 x 2   | mm | 1.469  | xx   |
| □ 100 x 40 x 2.5 | mm | 1.890  | xxxx |
| □ 100 x 40 x 3   | mm | 2.170  |      |
| □ 100 x 40 x 4   | mm | 2.940  | xx   |
| □ 100 x 50 x 2   | mm | 1.576  |      |
| □ 100 x 50 x 3   | mm | 2.333  |      |
| □ 100 x 50 x 4   | mm | 3.070  |      |
| □ 100 x 50 x 5   | mm | 3.780  | xxx  |
| □ 100 x 60 x 2   | mm | 1.710  | xxx  |
| □ 100 x 60 x 3   | mm | 2.495  | xxx  |
| □ 100 x 60 x 4   | mm | 3.290  | xx   |
| □ 100 x 80 x 2.5 | mm | 2.362  | xxxx |
| □ 100 x 80 x 3   | mm | 2.819  | xxx  |
|                  |    |        |      |
| □ 110 x 60 x 4   | mm | 3.499  | xxxx |
|                  |    |        |      |
| □ 120 x 20 x 2   | mm | 1.469  | xx   |
| □ 120 x 30 x 2   | mm | 1.600  | xxxx |
| □ 120 x 30 x 3   | mm | 2.332  | xx   |

| B x H x E         |    | KG / M |         |
|-------------------|----|--------|---------|
| □ 120 x 40 x 2    | mm | 1.685  | xxxx    |
| □ 120 x 40 x 2.5  | mm | 2.092  | xxxx    |
| □ 120 x 40 x 3    | mm | 2.494  | xxx     |
| □ 120 x 40 x 4    | mm | 3.283  | xx      |
| □ 120 x 50 x 3    | mm | 2.750  | xx      |
| □ 120 x 50 x 4    | mm | 3.640  |         |
| □ 120 x 60 x 3    | mm | 2.819  | xx      |
| □ 120 x 60 x 4    | mm | 3.800  | xx      |
| □ 120 x 80 x 3    | mm | 3.140  | xx      |
|                   |    |        |         |
| □ 130 x 30 x 3    | mm | 2.494  | xxx     |
| □ 130 x 50 x 4    | mm | 3.715  | xxxx    |
|                   |    |        |         |
| □ 140 x 20 x 3    | mm | 2.490  | xxxx    |
| □ 140 x 40 x 4    | mm | 3.715  | xx      |
| □ 140 x 60 x 2.5  | mm | 2.632  | xxxx    |
| □ 140 x 80 x 4    | mm | 4.580  | xx      |
|                   |    |        |         |
| □ 150 x 40 x 4    | mm | 3.950  | x       |
| □ 150 x 50 x 2    | mm | 2.120  | xxxx    |
| □ 150 x 50 x 4    | mm | 4.150  |         |
| □ 150 x 60 x 5    | mm | 5.400  | xx      |
| □ 150 x 100 x 3   | mm | 3.855  | xxx     |
|                   |    |        |         |
| □ 160 x 40 x 4    | mm | 4.150  | xxxx    |
| □ 160 x 80 x 4    | mm | 5.010  | xxxx    |
| □ 170 x 70 x 4    | mm | 5.011  | xxxx    |
|                   |    |        |         |
| □ 180 x 40 x 4    | mm | 4.579  | xx      |
| □ 180 x 50 x 4    | mm | 4.800  | xx      |
| □ 180 x 60 x 3    | mm | 3.790  | xxx     |
| □ 180 x 80 x 4    | mm | 5.445  | xxxx    |
|                   |    |        |         |
| □ 200 x 50 x 4    | mm | 5.440  | xx      |
| □ 200 x 60 x 4    | mm | 5.465  | xxxx    |
| □ 200 x 80 x 4    | mm | 6.048  | xxxx    |
| □ 200 x 100 x 4   | mm | 6.300  | xxx     |
|                   |    |        |         |
| □ 240 x 100 x 4   | mm | 7.170  | xxxxxxx |
| □ 300 x 120 x 4.5 | mm | 9.987  | xxxxxxx |

GAMME DE PRIX: SUIVANT NOMBRE DE X  
DELAI : DISPO OU 8 JOURS SI RUPTURE

# Tôles

| ALLIAGES  | 1050 A<br>A5 | 5754<br>AG3 | 5083<br>AG4.5 | 2017 A<br>AU4G | 6082<br>ASG | 7075<br>AZ5GU | 7020<br>AZ5G |
|-----------|--------------|-------------|---------------|----------------|-------------|---------------|--------------|
| Ep.0.5 mm | ●            | ●           |               |                |             |               |              |
| Ep.0.6 mm | ○            | ○           |               |                |             |               |              |
| Ep.0.8 mm | ○            | ○           |               |                |             |               |              |
| Ep.1 mm   | ●            | ●           | ○             | ●              | ○           |               |              |
| Ep.1.2 mm | ○            | ○           |               |                | ○           |               |              |
| Ep.1.5 mm | ●            | ●           | ○             | ●              | ○           |               |              |
| Ep.2 mm   | ●            | ●           | ○             | ●              | ○           |               | ○            |
| Ep.2.5 mm | ●            | ●           | ○             | ●              | ○           |               | ●            |
| Ep.3 mm   | ●            | ●           | ○             | ●              | ○           | ○             | ○            |
| Ep.4 mm   | ●            | ●           | ○             | ●              | ●           |               | ○            |
| Ep.5 mm   | ●            | ●           | ○             | ●              | ○           | ○             | ○            |
| Ep.6 mm   | ●            | ●           | ○             | ●              | ○           | ○             | ○            |
| Ep.8 mm   | ●            | ●           | ●             | ●              | ○           | ○             | ○            |
| Ep.10 mm  | ●            | ●           | ○             | ●              | ○           | ●             | ○            |
| Ep.12 mm  | ●            | ●           | ●             | ●              | ○           | ●             | ○            |
| Ep.15 mm  | ●            | ●           | ○             | ●              | ●           | ●             | ○            |
| Ep.16 mm  |              | ●           |               | ●              |             |               |              |
| Ep.20 mm  | ●            | ●           | ●             | ●              | ●           | ●             | ○            |
| Ep.25 mm  | ●            | ●           | ○             | ●              | ○           | ●             | ○            |
| Ep.30 mm  | ●            | ●           | ○             | ●              | ●           | ●             | ○            |
| Ep.35 mm  |              | ●           | ●             | ●              | ●           | ●             | ○            |
| Ep.40 mm  | ●            | ●           | ○             | ●              | ○           | ●             | ○            |
| Ep.45 mm  |              | ○           | ●             | ●              | ○           |               |              |
| Ep.50 mm  | ●            | ●           | ○             | ●              | ●           | ●             | ○            |
| Ep.60 mm  | ○            | ○           | ○             | ●              | ●           | ●             | ○            |
| Ep.70 mm  | ●            | ●           | ○             | ●              | ○           | ●             |              |
| Ep.80 mm  |              | ●           | ○             | ●              | ●           | ●             | ○            |
| Ep.90 mm  |              | ○           | ○             | ○              | ○           | ○             |              |
| Ep.100 mm |              | ●           | ○             | ●              | ○           | ●             | ○            |
| Ep.110 mm |              |             | ○             |                | ○           | ○             |              |
| Ep.120 mm |              | ○           | ○             | ●              | ○           | ○             | ○            |
| Ep.125 mm |              |             | ○             | ●              |             |               |              |
| Ep.130 mm |              |             | ○             |                | ○           |               |              |
| Ep.140 mm |              |             | ○             |                |             | ○             |              |
| Ep.150 mm |              | ○           | ○             | ●              | ○           | ○             | ○            |
| Ep.160 mm |              |             | ○             |                |             | ○             |              |
| Ep.180 mm |              |             | ○             | ○              |             | ○             |              |
| Ep.200 mm |              |             | ○             | ○              |             | ○             |              |
| Ep.210 mm |              |             |               |                |             | ○             |              |
| Ep.220 mm |              |             | ○             |                |             |               |              |
| Ep.230 mm |              |             | ○             |                |             | ○             |              |
| Ep.250 mm |              |             | ○             | ○              |             | ○             |              |
| Ep.300 mm |              |             | ○             |                |             | ○             |              |
| Ep.350 mm |              |             | ○             |                |             |               |              |
| Ep.400 mm |              |             | ○             |                |             |               |              |
| Ep.500 mm |              |             | ○             |                |             |               |              |

● DISPO

○ DELAI 8 A 10 JOURS

7022: SOUS 8 / 10 JOURS DE 3 A 300 MM  
6061: N.C.

# Tôles Damier

AG3 (5754)

| <i>Ep.</i> | <i>Format</i> | <i>Poids</i> |
|------------|---------------|--------------|
| 2,5 / 4 mm | 1000 x 2000   | 15,3 kg      |
| 2,5 / 4 mm | 1250 x 2500   | 23,9 kg      |
| 2,5 / 4 mm | 1500 x 3000   | 34,5 kg      |
| 3,5 / 5 mm | 1000 x 2000   | 20,7 kg      |
| 3,5 / 5 mm | 1250 x 2500   | 32,4 kg      |
| 3,5 / 5 mm | 1500 x 3000   | 46,6 kg      |
| 5 / 6,5 mm | 1000 x 2000   | 28,8 kg      |
| 5 / 6,5 mm | 1250 x 2500   | 45 kg        |
| 5 / 6,5 mm | 1500 x 3000   | 64,8 kg      |
| 8 / 9,5 mm | 1000 x 2000   | 45 kg        |
| 8 / 9,5 mm | 1250 x 2500   | 70,4 kg      |
| 8 / 9,5 mm | 1500 x 3000   | 101,3 kg     |

## Tôles Réctifiées 2 Faces

|                   |         |         |          |
|-------------------|---------|---------|----------|
| <b>Epaisseur:</b> | 6,35 mm | 20 mm   | 46,2 mm  |
|                   | 8 mm    | 25 mm   | 50 mm    |
|                   | 9,52 mm | 25,4 mm | 50,8 mm  |
|                   | 10 mm   | 27,2 mm | 60 mm    |
|                   | 12 mm   | 30 mm   | 70 mm    |
|                   | 12,7 mm | 31,75mm | 76,2 mm  |
|                   | 15 mm   | 35 mm   | 80 mm    |
|                   | 15,9 mm | 36.2 mm | 100 mm   |
|                   | 17,2 mm | 38.1 mm | 116,2 mm |
|                   | 19,5 mm | 40 mm   |          |

COUPES ET TOLES ENTIERES  
CONSULTEZ-NOUS

# Données techniques

## PRODUITS EXTRUDES

| Suivant DIN 1745<br>Valeurs moyennes | Charge de rupture<br>N/mm <sup>2</sup> | Limite élastique<br>N/mm <sup>2</sup> | Allongement<br>Delta 5% | Dureté<br>Brinell |
|--------------------------------------|----------------------------------------|---------------------------------------|-------------------------|-------------------|
| Al 99.5 (1050 A) F 7                 | 65                                     | 20                                    | 25                      | 20                |
| Al Mg 3 (5754) F 18                  | 180                                    | 80                                    | 14                      | 45                |
| Al Mg Si 0.5 (6060)<br>F13           | 130                                    | 65                                    | 15                      | 45                |
| F 22                                 | 215                                    | 160                                   | 12                      | 70                |
| F 25                                 | 245                                    | 195                                   | 10                      | 75                |
| Al Mg Si 1 (6082)<br>F28             | 275                                    | 200                                   | 8                       | 80                |
| F 31                                 | 310                                    | 260                                   | 10                      | 95                |
| Al Mg Si Pb (6012)<br>F 28           | 275                                    | 200                                   | 8                       | 80                |
| Al Cu Mg Pb (2030)<br>F 34           | 340                                    | 220                                   | 7                       | 90                |
| F 37                                 | 370                                    | 250                                   | 7                       | 100               |
| Al Cu Mg 1 (2017 A)<br>F 40          | 400                                    | 270                                   | 10                      | 110               |
| Al Zn Mg Cu 0.5 (7022)<br>F 46       | 460                                    | 380                                   | 7                       | 125               |
| Al Zn Mg Cu 1.5 (7075)<br>F 51       | 510                                    | 440 - 450                             | 7                       | 140               |

## PRODUITS LAMINES

| Suivant DIN 1745<br>Valeurs moyennes | Charge de rupture<br>N/mm <sup>2</sup> | Limite d'élasticité<br>N/mm <sup>2</sup> | Allongement<br>Delta 5% | Dureté<br>Brinell |
|--------------------------------------|----------------------------------------|------------------------------------------|-------------------------|-------------------|
| Al 99.5 (1050 A)<br>W7 recuit        | 65 - 95                                | Max 55                                   | 40                      | 20                |
| F11 1/2 dur                          | 110 - 150                              | 90                                       | 6                       | 35                |
| F13 dur                              | 130 - 170                              | 110                                      | 6                       | 40                |
| Al Mg 1 (5005 A)<br>F 15             | 145 - 185                              | 120                                      | 5                       | 47                |
| Al Mg 3 (5754)<br>W 19 recuit        | 190 - 230                              | 80                                       | 20                      | 50                |
| F 22 1/4 dur                         | 220 - 260                              | 130                                      | 14                      | 65                |
| F 27 dur                             | 265 - 305                              | 215                                      | 4                       | 80                |
| Al Mg 4.5 Mn (5083)<br>W 28 recuit   | 275 - 350                              | 125                                      | 17                      | 70                |
| Al Mg Si 1 (6082)<br>F 30 dur        | 295                                    | 240                                      | 8                       | 90                |
| Al Cu Mg 1 (2017 A)<br>F 40 dur      | 385 - 395                              | 245 - 265                                | 13                      | 95 - 100          |
| Al Cu Mg 2 (2024)<br>F 44 dur        | 440                                    | 290                                      | 13                      | 110               |
| Al Zn Mg Cu 0.5 (7022)<br>F 45 dur   | 450                                    | 370                                      | 8                       | 125               |
| Al Zn Mg Cu 1.5 (7075)<br>F 50 dur   | 500                                    | 430                                      | 2                       | 130               |

Ces informations sont données à titre purement indicatif et ne constituent en aucun cas des données contractuelles.

# Données techniques

| <i>NF A 02-004<br/>(1977) (1)</i> | <i>NF A 02-104<br/>(1980)</i> | <i>ISO / R 209</i> | <i>DIN</i>  | <i>Werkstoff</i> |
|-----------------------------------|-------------------------------|--------------------|-------------|------------------|
| A 5                               | 1050 A                        | Al 99.5            | Al 99.5     | 3.0255           |
| AU5PBBI                           | 2011                          |                    | AlCuBiPb    | 3.1655           |
| AU4G                              | 2017 A                        | AlCu4MgSi          | AlCuMg1     | 3.1325           |
| AU4G1                             | 2024                          | AlCu4Mg1           | AlCuMg2     | 3.1355           |
| AU4PB                             | 2030                          | AlCu4PbMg          | AlCuMgPb    | 3.1645           |
| AG0.6                             | 5005                          | AlMg1              |             |                  |
|                                   | 5056 A                        | AlMg5              | AlMg5       | 3.3555           |
| AG4.5MC                           | 5083                          | AlMg4.5Mn          | AlMg4.5Mn   | 3.3547           |
| AG4MC                             | 5086                          | AlMg4              | AlMg4Mn     |                  |
| AG3M                              | 5754                          | AlMg3              | AlMg3       | 3.3535           |
| ASG0.5                            | 6005 A                        |                    | AlMgSi0.7   | 3.3210           |
|                                   | 6012                          |                    | AlMgSiPb    | 3.0615           |
| AGS                               | 6060                          | AlMgSi             | AlMgSi0.5   | 3.3206           |
| AGSUC                             | 6061                          | AlMg1SiCu          | AlMg1SiCu   | 3.3211           |
| ASGM0.7                           | 6082                          | AlSi1Mg            | AlMgSi1     | 3.2315           |
| AZ5G                              | 7020                          | AlZn4.5Mg1(2)      | AlZn4.5Mg1  | 3.4335           |
| AZ5GU0.6                          | 7022                          |                    | AlZnMgCu0.5 | 3.4345           |
| AZ8GU                             | 7049                          |                    |             |                  |
| AZ5GU                             | 7075                          | AlZn6MgCu          | AlZnMgCu1.5 | 3.4365           |

- (1) La norme NF A 02-004 n'est plus utilisée officiellement pour la désignation de l'aluminium et des alliages d'aluminium corroyés.
- (2) Le 7020 n'est pas prévu dans l'ISO / R 209 mais dans l'ISO / DIS 3335.

# Données techniques

|           | Anodisation | Soudabilité | Usinage | Résistance à la corrosion |
|-----------|-------------|-------------|---------|---------------------------|
| 1050 A    | 000         | 0000        | X       | 000                       |
| 2011      | 00          | X           | 0000    | 00                        |
| 2017 A    | 00          | X           | 000     | X                         |
| 2024      | 00          | X           | 000     | X                         |
| 2007/2030 | 00          | X           | 0000    | X                         |
| 2618      | 00          | 00          | 00      | 00                        |
| 5005 A    | 0000        | 0000        | X       | 000                       |
| 5056 A    | 000         | 0000        | 00      | 000                       |
| 5083      | 000         | 0000        | 00      | 000                       |
| 5086      | 000         | 0000        | 00      | 0000                      |
| 5754      | 0000        | 0000        | 00      | 0000                      |
| 6005      | 0000        | 000         | 00      | 000                       |
| 6012      | 00          | X           | 000     | 00                        |
| 6061      | 000         | 000         | 00      | 000                       |
| 6060      | 0000        | 000         | 00      | 000                       |
| 6082      | 000         | 000         | 00      | 000                       |
| 7020      | 00          | 000         | 000     | 00                        |
| 7022      | X           | X           | 000     | 00                        |
| 7049      | 00          | X           | 000     | 00                        |
| 7075      | 00          | X           | 000     | 00                        |

0000 Très bon

000 Bon

00 Acceptable

X Mauvais ou à éviter

*Ces informations sont données à titre purement indicatif et ne constituent en aucun cas des données contractuelles.*

# Les états de livraison

*Les caractéristiques mécaniques de l'aluminium peuvent être sensiblement modifiées de différentes façons :*

- Par l'addition d'autres métaux (alliages)
- Par des traitements mécaniques
- Par des traitements thermiques .

*Elles déterminent les états de livraison, et sont identifiées de la façon suivante :*

*Lorsqu'un aluminium ou alliage est livré tel que fabriqué à chaud, sans traitement mécanique ni thermique, il est dit à l'état F .*

**1 - Les traitements mécaniques sont identifiés par la lettre «H» = état écroui . Cette lettre est généralement suivie de 2 chiffres .**

**Le premier indique le procédé utilisé pour obtenir le degré de dureté.**

**Chiffre 1.**      **Ecrouissage obtenu directement, par passes successives de laminage etc...**

**Chiffre 2.**      **Après avoir écrasé le métal au maximum, dès le départ, le degré de dureté désiré est obtenu par «restauration» (réchauffage, au four).**

**Chiffre 3.**      **On ajoute au traitement de «restauration» une «stabilisation» , par maintien en température appropriée pendant un certain temps.**

**Le deuxième chiffre mentionne le degré de dureté lui-même.**

**2 = 1/4 dur**

**4 = 1/2 dur**

**6 = 3/4 dur**

**8 = 4/4 dur**

**Les états de livraison obtenus par traitements mécaniques sont :**

**H 12 ou H 22 ou H 32 = 1/4 dur**

**H 14 ou H 24 ou H 34 = 1/2 dur**

**H 16 ou H 26 ou H 36 = 3/4 dur**

**H 18 ou H 28 ou H 38 = 4/4 dur**

**L'exception est l'état H 111 qui signifie recuit, plané.**

**2 - Les traitements thermiques :**

**a) Adoucissants - essentiellement le recuit, symbolisé par la lettre «O».**

**Il destine le métal aux déformations maximales : emboutissage ;**

**b) Durcissants - obtenus par : mise en solution, trempe, maturation ou revenu.**

**Ils sont destinés à doter le métal du maximum de dureté, de résistance, d'aptitude à l'usinage, etc.**

**Symbole: La lettre T, généralement suivie d'un ou plusieurs chiffres :**

**T 3      - Trempé, écroui, mûri.**

**T 4      - Trempé, mûri.**

**T 5      - Revenu après trempe à l'air.**

**T 6      - Trempé, revenu.**

**T 351 - Trempé, mûri, tractionné.**

**T 451 - Trempé, mûri, tractionné.**

**T 651 - Trempé, revenu, tractionné.**

**T 7351 - Trempé, tractionné, sur-revenu.**

**T 851 - Trempé, tractionné, revenu.**

# L' Aluminium et ses principaux alliages

| <b>Nouveau<br/>Symbole</b> | <b>Ancienne<br/>dénomination</b> | <b>Principales utilisations</b>                                                                                                                                                                                                             | <b>Formes<br/>commerciales</b>                                                |
|----------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>1050 A</b>              | (A5)                             | Chaudronnerie, emboutissage.<br>Industries chimiques et alimentaires,<br>citernes                                                                                                                                                           | Tôles, bandes, fils,<br>barres, méplats,<br>profilés, tubes.                  |
| <b>2017 A</b>              | (A-U4G)                          | Pièces de résistance chaudronnées ou<br>usinées.<br>Aéronautique. Matériel roulant.<br>Travaux Publics, Rivets.                                                                                                                             | Tôles fortes, tôles,<br>bandes, fils, barres,<br>méplats, profilés,<br>tubes. |
| <b>2024</b>                | (A-U4G1)                         | Pièces de grande résistance non<br>chaudronnées.<br>Armement.                                                                                                                                                                               | Tôles fortes, tôles,<br>bandes, barres,<br>méplats, profilés,<br>tubes.       |
| <b>2030</b>                | (A-U4PB)                         | Alliage de décolletage donnant des copeaux<br>très fragmentés. Beau fini de surface.                                                                                                                                                        | Barres, tubes.                                                                |
| <b>2618</b>                | (A-U2GN)                         | Bonne tenue à chaud. Pièces usinées,<br>forgées, matricées pour l'Aéronautique.                                                                                                                                                             | Tôles fortes, tôles,<br>barres, profilés.                                     |
| <b>5083</b>                | (A-G4.5)                         | Alliage de chaudronnerie de caractéristiques<br>mécaniques un peu plus élevées que le<br>5086.                                                                                                                                              | Tôles, barres filées,<br>barres étirées,<br>tubes.                            |
| <b>5086</b>                | (A-G4MC)                         | Bonne résistance à l'atmosphère marine et<br>au milieu marin.<br>Construction navale et aéronavale.                                                                                                                                         | Tôles, bandes, fils,<br>barres, méplats,<br>profilés, tubes.                  |
| <b>5754</b>                | (A-G3)                           | Chaudronnerie.                                                                                                                                                                                                                              | Tôles, barres filées,<br>barres étirées,<br>profilés, fils, tubes.            |
| <b>6060</b>                | (A-GS)                           | Bel aspect après anodisation. Menuiserie<br>métallique, aménagements intérieurs,<br>caillebotis, châssis métalliques. Industrie<br>textile. Articles de ménage. Décoration.<br>Panneau de signalisation. Visserie. Aiguilles<br>à tricoter. | Fils, barres,<br>méplats, profilés,<br>tubes.                                 |
| <b>6082</b>                | (A-SGM0.7)                       | Haute résistance mécanique, haute<br>résistance à la corrosion, formage facile,<br>très bonne aptitude au polissage. Apte à<br>l'anodisation décorative. Construction<br>navale, électrotechnique, micro-mécanique.                         | Tôles, fils, barres,<br>méplats, profilés,<br>tubes.                          |
| <b>7020</b>                | (A-Z5G)                          | Alliage de construction, facilement soudable.<br>Matériel roulant. Matériel de manutention.<br>Matériel de génie.                                                                                                                           | Tôles, bandes, fils,<br>barres, méplats,<br>profilés, tubes.                  |
| <b>7075</b>                | (A-Z5GU)                         | Pièce de fatigue à limite élastique élevée.<br>Aéronautique. Matériel roulant.<br>Boulonnerie. Bâtons de ski. Skis.                                                                                                                         | Tôles, bandes, fils,<br>barres, méplats,<br>profilés, tubes.                  |

Ces informations sont données à titre purement indicatif et ne constituent en aucun cas des données contractuelles.

# LE CUIVRE



# Ronds cuivre

| DIAM   | CUA1<br>F 25 | CUC1<br>F 25 | CUTE | CUBE2 | CUCO2<br>BE 0.5 | CUCR1<br>ZR |
|--------|--------------|--------------|------|-------|-----------------|-------------|
| RD 2   | ●            |              |      | ○     |                 |             |
| RD 2.5 | ○            |              |      |       |                 |             |
| RD 3   | ●            |              |      | ○     |                 |             |
| RD 4   | ●            |              |      | ●     |                 |             |
| RD 5   | ●            | ○            | ●    |       |                 |             |
| RD 6   | ●            | ○            | ●    | ○     |                 |             |
| RD 7   | ●            | ○            | ○    |       |                 |             |
| RD 8   | ●            | ○            | ●    | ○     | ○               | ○           |
| RD 10  | ●            | ○            | ●    | ○     | ○               | ●           |
| RD 11  | ○            | ○            | ●    |       |                 | ○           |
| RD 12  | ●            | ○            | ●    | ○     | ○               | ●           |
| RD 13  | ○            | ○            | ○    |       | ○               | ●           |
| RD 14  | ●            | ○            | ●    |       | ○               | ●           |
| RD 15  | ●            | ○            | ●    | ○     | ○               | ●           |
| RD 16  | ●            | ○            | ●    | ○     | ○               | ●           |
| RD 17  | ○            | ○            | ●    |       |                 |             |
| RD 18  | ●            | ○            | ●    | ○     | ○               | ●           |
| RD 20  | ●            | ○            | ●    | ○     | ○               | ●           |
| RD 22  | ●            | ○            | ○    | ○     | ○               | ●           |
| RD 23  | ○            | ○            | ○    |       |                 | ○           |
| RD 24  | ●            | ○            | ○    |       |                 | ○           |
| RD 25  | ●            | ○            | ●    | ○     | ○               | ●           |
| RD 26  | ○            | ○            | ○    |       |                 | ○           |
| RD 27  | ○            | ○            | ●    |       |                 | ○           |
| RD 28  | ●            | ○            | ○    | ○     | ○               | ○           |
| RD 30  | ●            | ○            | ●    | ○     | ○               | ●           |
| RD 32  | ●            | ○            |      | ○     | ○               | ●           |
| RD 35  | ●            | ○            | ○    | ○     | ○               | ●           |
| RD 36  | ●            | ○            | ●    |       | ○               | ○           |
| RD 38  | ●            | ○            | ○    |       | ○               | ○           |
| RD 40  | ●            | ○            | ●    | ○     | ○               | ●           |
| RD 42  | ●            | ○            | ●    |       |                 | ○           |
| RD 45  | ●            | ○            | ○    | ○     | ○               | ●           |

○ Délai: 8 à 10 jours sur standard. Autres produits: nous consulter.

● Délai: Disponible (sauf rupture de stock).

POSSIBILITES : CUA1, CUB1, CUC1.

De 0.1 en 0.1 mm, du diam.5 au diam.19 mm.

De mm en mm du diam.20 au diam.65 mm.

Quantité minimale: 50 à 100 kg.

# Ronds cuivre



| DIAM   | CUA1<br>F 25 | CUC1<br>F 25 | CUTE | CUBE2 | CUCO2<br>BE 0.5 | CUCR1<br>ZR |
|--------|--------------|--------------|------|-------|-----------------|-------------|
| RD 50  | ●            | ○            | ○    | ○     | ○               | ●           |
| RD 51  |              |              |      |       | ○               |             |
| RD 52  | ○            | ○            | ○    |       |                 | ○           |
| RD 53  | ●            | ○            |      |       |                 |             |
| RD 55  | ●            | ○            | ○    | ○     | ○               | ○           |
| RD 60  | ●            | ○            | ○    | ○     | ○               | ●           |
| RD 61  |              |              |      |       | ○               |             |
| RD 63  |              |              |      |       | ○               |             |
| RD 65  | ●            | ○            |      | ○     | ○               | ○           |
| RD 70  | ●            | ○            | ○    | ○     | ○               | ○           |
| RD 75  | ○            |              |      |       |                 | ○           |
| RD 80  | ●            | ○            | ○    | ○     | ○               | ○           |
| RD 82  |              |              |      |       | ○               |             |
| RD 85  |              |              |      |       | ○               | ○           |
| RD 90  | ●            | ○            |      | ○     | ○               | ○           |
| RD 100 | ●            | ○            |      | ○     | ○               | ○           |
| RD 110 | ●            |              |      | ○     | ○               | ●           |
| RD 120 | ●            | ○            |      | ○     | ○               | ○           |
| RD 130 | ●            | ○            |      |       | ○               |             |
| RD 140 | ●            |              |      |       |                 |             |
| RD 150 | ●            | ○            |      |       |                 | ○           |
| RD 160 | ●            |              |      |       | ○               | ○           |
| RD 180 | ●            | ○            |      |       |                 | ○           |
| RD 200 | ●            | ○            |      |       |                 |             |
| RD 228 | ●            |              |      |       |                 |             |
| RD 250 | ●            | ○            |      |       |                 |             |
| RD 280 | ○            | ○            |      |       |                 |             |
| RD 300 | ○            | ○            |      |       |                 |             |
| RD 330 | ○            | ○            |      |       |                 |             |
| RD 356 | ○            | ○            |      |       |                 |             |
| RD 410 | ○            | ○            |      |       |                 |             |
| RD 500 | ○            | ○            |      |       |                 |             |

- Délai: 8 à 10 jours sur standard. Autres produits: nous consulter.
- Délai: Disponible (sauf rupture de stock).

POSSIBILITES : CUA1, CUB1, CUC1

De 0.1 en 0.1 mm, du diam.5 au diam.19 mm.

De mm en mm du diam.20 au diam.65 mm.

Quantité minimale: 50 à 100 kg.



# Carrés cuivre

| Dim.         | CUA1 | CUBE2<br>BE 0.5 | CUCO 2<br>ZR | CUCR 1 |
|--------------|------|-----------------|--------------|--------|
| 4 x 4 mm     | ○    |                 |              |        |
| 5 x 5 mm     | ●    |                 |              |        |
| 6 x 6 mm     | ●    |                 |              |        |
| 7 x 7 mm     | ○    |                 |              |        |
| 8 x 8 mm     | ●    |                 |              |        |
| 9 x 9 mm     | ○    |                 |              |        |
| 10 x 10 mm   | ●    |                 | ○            | ○      |
| 12 x 12 mm   | ●    |                 |              |        |
| 15 x 15 mm   | ●    |                 | ○            | ●      |
| 16 x 16 mm   | ○    |                 | ○            | ○      |
| 18 x 18 mm   | ○    |                 |              | ○      |
| 19 x 19 mm   | ○    |                 |              | ○      |
| 20 x 20 mm   | ●    |                 | ●            | ●      |
| 22 x 22 mm   | ○    |                 |              |        |
| 25 x 25 mm   | ●    |                 | ○            | ○      |
| 30 x 30 mm   | ●    |                 | ○            | ○      |
| 32 x 32 mm   | ○    |                 |              |        |
| 35 x 35 mm   | ●    |                 | ○            | ○      |
| 40 x 40 mm   | ●    |                 | ○            | ○      |
| 45 x 45 mm   | ●    |                 |              | ○      |
| 50 x 50 mm   | ●    | ●               | ○            | ○      |
| 55 x 55 mm   | ○    |                 |              | ○      |
| 60 x 60 mm   | ●    |                 | ○            | ○      |
| 65 x 65 mm   | ○    |                 |              | ○      |
| 70 x 70 mm   | ●    |                 | ○            | ○      |
| 75 x 75 mm   | ○    |                 |              |        |
| 80 x 80 mm   | ●    |                 |              | ○      |
| 85 x 85 mm   |      |                 |              | ○      |
| 90 x 90 mm   | ○    |                 |              | ○      |
| 100 x 100 mm | ●    |                 | ○            | ○      |
| 120 x 120 mm | ○    |                 |              | ○      |
| 130 x 130 mm | ○    |                 |              | ○      |
| 140 x 140 mm | ○    |                 |              |        |
| 150 x 150 mm | ○    |                 |              | ○      |
| 200 x 200 mm | ○    |                 |              |        |

- Délai: 8 à 10 jours sur standard.  
Autres produits: nous consulter.
- Délai: Disponible (sauf rupture de stock).

POSSIBILITES : CUA1, CUC1:  
De mm en mm du carré de 5 au carré de 70 mm.  
Quantité minimale: 50 à 100 kg.

# Hexagones cuivre



| Dim.    | CUA1 | CUTE | CUCO2BE0.5 | CUCR1ZR |
|---------|------|------|------------|---------|
| H 8 mm  | ○    | ○    |            |         |
| H 10 mm | ○    | ○    |            |         |
| H 11 mm | ○    | ○    |            |         |
| H 12 mm | ○    | ○    |            | ○       |
| H 13 mm | ○    | ○    |            | ○       |
| H 14 mm | ○    | ○    | ○          | ○       |
| H 15 mm | ○    | ○    |            |         |
| H 16 mm | ○    | ○    |            |         |
| H 17 mm | ○    | ○    |            | ○       |
| H 18 mm | ○    | ●    |            |         |
| H 19 mm | ○    | ○    | ○          | ○       |
| H 20 mm | ○    | ○    |            |         |
| H 22 mm | ○    | ○    | ○          | ○       |
| H 24 mm | ○    | ○    | ○          | ○       |
| H 27 mm | ○    | ○    | ○          | ○       |
| H 28 mm | ○    |      |            |         |
| H 30 mm | ○    | ●    |            | ○       |
| H 32 mm | ○    | ●    |            | ○       |
| H 36 mm | ○    | ●    | ○          |         |
| H 41 mm | ○    |      |            |         |
| H 46 mm | ○    |      |            |         |
| H 50 mm | ○    |      |            |         |
| H 60 mm | ○    |      |            |         |

- Délai: 8 à 10 jours sur standard.  
Autres produits: nous consulter.
- Délai: Disponible (sauf rupture de stock).

POSSIBILITES : CUA1, CUC1:  
De mm en mm du six-pans de 8 au six-pans de 60 mm.  
Quantité minimale: 50 à 100 kg.  
Délai : Environ 3 semaines.



# Méplats cuivre

| Dim.       | kg/m  | CUA1<br>F 25 | CUCO2<br>BE 0.5 | CUCR1<br>ZR |
|------------|-------|--------------|-----------------|-------------|
| 8 x 3 mm   | 0.214 | ○            |                 |             |
| 10 x 2 mm  | 0.178 | ●            |                 |             |
| 10 x 3 mm  | 0.270 | ●            |                 |             |
| 10 x 4 mm  | 0.360 | ●            |                 |             |
| 10 x 5 mm  | 0.450 | ●            |                 |             |
| 10 x 6 mm  | 0.534 | ○            |                 |             |
| 12 x 2 mm  | 0.210 | ○            |                 |             |
| 12 x 3 mm  | 0.320 | ●            |                 |             |
| 12 x 4 mm  | 0.430 | ●            |                 |             |
| 12 x 5 mm  | 0.534 | ●            |                 |             |
| 12 x 8 mm  | 0.855 | ●            |                 |             |
| 15 x 2 mm  | 0.270 | ●            |                 |             |
| 15 x 3 mm  | 0.400 | ●            |                 |             |
| 15 x 4 mm  | 0.530 | ●            |                 |             |
| 15 x 5 mm  | 0.670 | ●            |                 |             |
| 15 x 6 mm  | 0.800 | ●            |                 |             |
| 15 x 8 mm  | 1.070 | ○            |                 |             |
| 15 x 10 mm | 1.340 | ●            |                 | ○           |
| 20 x 2 mm  | 0.360 | ●            |                 |             |
| 20 x 3 mm  | 0.530 | ●            |                 |             |
| 20 x 4 mm  | 0.710 | ●            |                 |             |
| 20 x 5 mm  | 0.890 | ●            |                 |             |
| 20 x 6 mm  | 1.070 | ●            |                 |             |
| 20 x 8 mm  | 1.420 | ●            |                 | ○           |
| 20 x 10 mm | 1.780 | ●            | ○               | ●           |
| 20 x 12 mm | 2.140 | ○            |                 |             |
| 20 x 15 mm | 2.670 | ●            | ○               | ○           |
| 25 x 2 mm  | 0.445 | ●            |                 |             |
| 25 x 3 mm  | 0.670 | ●            |                 |             |
| 25 x 4 mm  | 0.890 | ●            |                 |             |
| 25 x 5 mm  | 1.115 | ●            |                 |             |
| 25 x 6 mm  | 1.340 | ●            |                 |             |
| 25 x 8 mm  | 1.780 | ●            |                 | ○           |
| 25 x 10 mm | 2.230 | ●            |                 |             |
| 25 x 12 mm | 2.670 | ○            |                 |             |
| 25 x 15 mm | 3.340 | ●            |                 | ○           |
| 25 x 20 mm | 4.450 | ●            |                 | ●           |
| 30 x 2 mm  | 0.530 | ●            |                 |             |
| 30 x 3 mm  | 0.800 | ●            |                 |             |
| 30 x 4 mm  | 1.070 | ●            |                 |             |
| 30 x 5 mm  | 1.340 | ●            |                 |             |
| 30 x 6 mm  | 1.600 | ●            |                 |             |
| 30 x 8 mm  | 2.140 | ●            |                 | ○           |

- Délai: Disponible (sauf rupture de stock).
- Délai: 8 à 10 jours sur standard.

POSSIBILITES : CUA1, CUB1, CUC1, de recuit à 4/4 dur.  
De 0.1 en 0.1 mm, du 10 x 2 au 60 x 50 mm.  
Quantité minimale: 50 à 100 kg.

# Méplats cuivre



| Dim.       | kg/m   | CUA1<br>F 25 | CUCO2<br>BE 0.5 | CUCR1<br>ZR |
|------------|--------|--------------|-----------------|-------------|
| 30 x 10 mm | 2.670  | ●            |                 | ○           |
| 30 x 12 mm | 3.200  | ●            |                 |             |
| 30 x 15 mm | 4.010  | ●            | ○               | ○           |
| 30 x 20 mm | 5.340  | ●            | ○               | ○           |
| 30 x 25 mm | 6.680  | ○            |                 | ○           |
| 35 x 2 mm  | 0.623  | ○            |                 |             |
| 40 x 2 mm  | 0.712  | ○            |                 |             |
| 40 x 3 mm  | 1.070  | ●            |                 |             |
| 40 x 4 mm  | 1.420  | ●            |                 |             |
| 40 x 5 mm  | 1.780  | ●            |                 |             |
| 40 x 6 mm  | 2.140  | ●            |                 |             |
| 40 x 8 mm  | 2.850  | ●            |                 |             |
| 40 x 10 mm | 3.560  | ●            |                 | ○           |
| 40 x 12 mm | 4.272  | ●            |                 | ○           |
| 40 x 15 mm | 5.340  | ●            | ○               | ○           |
| 40 x 20 mm | 7.120  | ●            | ○               | ○           |
| 40 x 25 mm | 8.900  | ●            | ○               | ○           |
| 40 x 30 mm | 10.700 | ●            | ○               | ○           |
| 50 x 3 mm  | 1.340  | ●            |                 |             |
| 50 x 4 mm  | 1.780  | ●            |                 |             |
| 50 x 5 mm  | 2.230  | ●            |                 |             |
| 50 x 6 mm  | 2.670  | ●            |                 |             |
| 50 x 8 mm  | 3.560  | ●            |                 |             |
| 50 x 10 mm | 4.450  | ●            | ●               | ○           |
| 50 x 12 mm | 5.340  | ●            |                 | ○           |
| 50 x 15 mm | 6.680  | ●            | ○               |             |
| 50 x 20 mm | 8.900  | ●            | ○               | ○           |
| 50 x 25 mm | 11.130 | ●            | ○               | ○           |
| 50 x 30 mm | 13.350 | ●            | ○               | ○           |
| 50 x 40 mm | 17.800 | ○            |                 | ○           |
| 60 x 4 mm  | 2.136  | ●            |                 |             |
| 60 x 5 mm  | 2.670  | ●            |                 |             |
| 60 x 6 mm  | 3.204  | ●            |                 |             |
| 60 x 8 mm  | 4.270  | ●            |                 |             |
| 60 x 10 mm | 5.340  | ●            |                 | ○           |
| 60 x 12 mm | 6.410  | ●            |                 | ○           |
| 60 x 15 mm | 8.010  | ●            | ○               | ○           |
| 60 x 20 mm | 10.680 | ●            | ○               | ○           |
| 60 x 25 mm | 13.350 | ●            |                 | ○           |
| 60 x 30 mm | 16.020 | ●            | ●               | ○           |
| 60 x 40 mm | 21.360 | ●            | ○               | ○           |
| 60 x 50 mm | 26.700 | ○            |                 | ○           |
| 63 x 5 mm  | 2.803  | ●            |                 |             |
| 70 x 8 mm  | 4.984  | ●            |                 |             |
| 70 x 10 mm | 6.240  | ○            |                 |             |

- Délai: Disponible (sauf rupture de stock).  
○ Délai: 8 à 10 jours sur standard.

POSSIBILITES : CUA1, CUB1, CUC1, de recuit à 4/4 dur.  
De 0.1 en 0.1 mm, du 10 x 2 au 60 x 50 mm.  
Quantité minimale: 50 à 100 kg.



# Méplats cuivre

| Dim.        | kg/m   | CUA1<br>F 25 | CUCO2<br>BE 0.5 | CUCR1<br>ZR |
|-------------|--------|--------------|-----------------|-------------|
| 70 x 30 mm  | 18.700 | ○            | ○               |             |
| 70 x 40 mm  | 24.920 | ○            |                 | ○           |
| 80 x 5 mm   | 3.560  | ●            |                 |             |
| 80 x 6 mm   | 4.270  | ●            |                 |             |
| 80 x 8 mm   | 5.700  | ●            |                 |             |
| 80 x 10 mm  | 7.120  | ●            |                 |             |
| 80 x 12 mm  | 8.540  | ○            |                 |             |
| 80 x 15 mm  | 10.680 | ●            |                 |             |
| 80 x 20 mm  | 14.240 | ●            | ○               | ○           |
| 80 x 25 mm  | 17.800 | ●            |                 | ○           |
| 80 x 30 mm  | 21.360 | ●            | ○               | ○           |
| 80 x 40 mm  | 28.480 | ●            | ○               | ○           |
| 80 x 50 mm  | 35.600 | ○            | ○               | ○           |
| 80 x 60 mm  | 42.720 | ○            |                 | ○           |
| 90 x 40 mm  | 32.040 | ○            |                 |             |
| 90 x 50 mm  | 40.050 | ○            |                 |             |
| 100 x 5 mm  | 4.450  | ●            |                 |             |
| 100 x 6 mm  | 5.340  | ●            |                 |             |
| 100 x 8 mm  | 7.120  | ●            |                 |             |
| 100 x 10 mm | 8.900  | ●            |                 | ○           |
| 100 x 12 mm | 10.860 | ●            |                 |             |
| 100 x 15 mm | 13.350 | ●            |                 | ○           |
| 100 x 20 mm | 17.800 | ●            | ○               | ○           |
| 100 x 25 mm | 22.250 | ○            |                 | ○           |
| 100 x 30 mm | 26.700 | ○            |                 | ○           |
| 100 x 35 mm | 31.150 | ○            |                 |             |
| 100 x 40 mm | 35.600 | ○            | ○               | ○           |
| 100 x 50 mm | 44.500 | ○            | ○               | ○           |
| 120 x 5 mm  | 5.340  | ○            |                 |             |
| 120 x 10 mm | 10.680 | ○            |                 |             |
| 120 x 15 mm | 16.020 | ○            |                 |             |
| 120 x 20 mm | 21.360 | ○            |                 |             |
| 120 x 30 mm | 32.040 | ○            |                 |             |
| 120 x 40 mm | 42.720 | ●            |                 | ○           |
| 120 x 60 mm | 64.080 |              |                 | ○           |
| 125 x 5 mm  | 5.562  | ●            |                 |             |
| 125 x 10 mm | 11.125 | ●            |                 |             |
| 150 x 20 mm | 26.700 | ●            |                 |             |
| 160 x 5 mm  | 7.120  | ●            |                 |             |
| 160 x 10 mm | 14.240 | ○            |                 |             |
| 160 x 20 mm | 28.480 | ○            |                 |             |
| 200 x 10 mm | 17.800 | ○            |                 |             |
| 200 x 15 mm | 26.700 | ○            |                 |             |
| 200 x 20 mm | 35.600 | ○            |                 |             |

- Délai: Disponible (sauf rupture de stock).  
○ Délai: 8 à 10 jours sur standard.

POSSIBILITES : CUA1, CUB1, CUC1, de recuit à 4/4 dur.  
De 0.1 en 0.1 mm, du 10 x 2 au 60 x 50 mm.  
Quantité minimale: 50 à 100 kg.

# Tubes cuivre

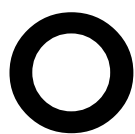


| Diam.       | CUA1 | CUB1 | CUC1 |
|-------------|------|------|------|
| 2 x 0.5 mm  |      | ○    |      |
| 3 x 0.5 mm  |      | ○    |      |
| 3 x 1 mm    |      | ●    |      |
| 4 x 0.5 mm  |      | ●    |      |
| 4 x 1 mm    |      | ●    |      |
| 5 x 0.5 mm  |      | ○    |      |
| 5 x 1 mm    |      | ●    |      |
| 5 x 1.5 mm  |      | ●    |      |
| 6 x 0.5 mm  |      | ○    |      |
| 6 x 1 mm    |      | ●    |      |
| 6 x 1.5 mm  |      | ○    |      |
| 6 x 2 mm    |      | ●    |      |
| 7 x 0.5 mm  |      | ○    |      |
| 7 x 1 mm    |      | ●    |      |
| 7 x 1.5 mm  |      | ●    |      |
| 8 x 0.5 mm  |      | ○    |      |
| 8 x 1 mm    |      | ●    |      |
| 8 x 1.5 mm  |      | ○    |      |
| 8 x 2 mm    |      | ●    | ○    |
| 9 x 1 mm    |      | ●    |      |
| 9 x 1.5 mm  |      | ○    |      |
| 9 x 2 mm    |      | ○    |      |
| 10 x 0.5 mm |      | ○    |      |
| 10 x 1 mm   |      | ●    |      |
| 10 x 1.5 mm |      | ○    | ○    |
| 10 x 2 mm   |      | ●    |      |
| 10 x 2.5 mm |      | ●    |      |
| 10 x 3 mm   |      | ○    |      |
| 11 x 1.5 mm |      | ○    |      |
| 12 x 1 mm   |      | ●    |      |
| 12 x 1.5 mm |      | ○    |      |
| 12 x 2 mm   |      | ●    | ○    |
| 12 x 3 mm   |      | ●    |      |
| 12 x 3.5 mm |      | ●    |      |
| 13 x 1 mm   |      | ○    |      |
| 13 x 1.5 mm |      | ○    |      |
| 13 x 2 mm   |      | ○    |      |
| 13 x 3 mm   |      | ○    |      |
| 14 x 1 mm   |      | ●    |      |
| 14 x 1.5 mm |      | ○    | ○    |

| Diam.       | CUA1 | CUB1 | CUC1 |
|-------------|------|------|------|
| 14 x 2 mm   |      | ○    | ○    |
| 14 x 3 mm   |      | ●    |      |
| 14 x 4 mm   |      | ○    |      |
| 15 x 1 mm   | ○    | ○    | ○    |
| 15 x 1.5 mm | ○    | ○    |      |
| 15 x 2 mm   | ○    |      |      |
| 15 x 2.5 mm | ○    |      |      |
| 16 x 1 mm   | ●    |      |      |
| 16 x 1.5 mm |      | ○    |      |
| 16 x 1.6 mm |      | ●    |      |
| 16 x 2 mm   |      | ●    |      |
| 16 x 3 mm   |      | ●    |      |
| 17 x 1 mm   |      | ○    |      |
| 17 x 1.5 mm |      | ○    |      |
| 17 x 2 mm   | ○    | ○    |      |
| 17 x 2.5 mm |      | ○    |      |
| 17 x 3 mm   |      | ○    |      |
| 17 x 4 mm   |      | ○    |      |
| 18 x 1 mm   |      | ●    |      |
| 18 x 1.5 mm |      | ○    |      |
| 18 x 2 mm   |      | ●    | ○    |
| 18 x 2.5 mm |      | ○    |      |
| 18 x 3 mm   |      | ○    |      |
| 18 x 4 mm   |      | ●    |      |
| 19 x 1 mm   |      | ○    |      |
| 19 x 2 mm   |      | ○    |      |
| 19 x 3 mm   |      | ○    |      |
| 20 x 1 mm   |      | ●    |      |
| 20 x 1.5 mm | ○    | ○    |      |
| 20 x 1.6 mm |      | ●    |      |
| 20 x 2 mm   |      | ●    |      |
| 20 x 2.5 mm |      | ○    |      |
| 20 x 3 mm   | ○    | ○    |      |
| 20 x 4 mm   | ○    | ●    |      |
| 20 x 5 mm   | ○    | ○    |      |
| 22 x 1 mm   |      | ●    |      |
| 22 x 1.5 mm |      | ●    | ○    |
| 22 x 2 mm   |      | ○    | ○    |
| 22 x 2.5 mm |      | ○    |      |
| 22 x 3 mm   |      | ○    |      |

POSSIBILITES : CUA1, CUB1, CUC1,  
en dimensions Hors standard.  
de recuit à 4/4 dur, sur fabrication rapide.  
Tube cuivre recuit en rouleau: Dispo, nous consulter.

- Délai: Disponible (sauf rupture de stock).
- Délai: 8 à 10 jours sur standard.



# Tubes cuivre

| Diam.       | CUA1 | CUB1 | CUC1 |
|-------------|------|------|------|
| 22 x 4 mm   |      | ●    |      |
| 22 x 5 mm   | ○    |      |      |
| 23 x 1.5 mm |      | ●    |      |
| 24 x 1 mm   |      | ●    |      |
| 24 x 1.5 mm |      | ●    |      |
| 24 x 2 mm   |      | ●    |      |
| 24 x 3 mm   |      | ●    |      |
| 24 x 4 mm   |      | ●    |      |
| 25 x 1 mm   |      | ●    | ○    |
| 25 x 1.5 mm |      | ●    | ○    |
| 25 x 2 mm   |      | ●    |      |
| 25 x 2.5 mm |      | ●    | ○    |
| 25 x 3 mm   |      | ●    | ○    |
| 25 x 4 mm   | ○    | ○    |      |
| 25 x 6 mm   |      | ○    |      |
| 26 x 2 mm   |      | ○    |      |
| 26 x 3 mm   |      | ○    |      |
| 26 x 5 mm   |      | ○    |      |
| 27 x 3 mm   |      | ○    |      |
| 28 x 1 mm   | ○    | ●    |      |
| 28 x 1.5 mm | ○    | ○    |      |
| 28 x 2 mm   |      | ○    |      |
| 28 x 4 mm   |      | ○    |      |
| 28 x 6 mm   |      | ○    |      |
| 30 x 1 mm   |      | ●    |      |
| 30 x 1.5 mm |      | ○    |      |
| 30 x 2 mm   |      | ●    | ○    |
| 30 x 2.5 mm |      | ●    | ○    |
| 30 x 3 mm   |      | ●    |      |
| 30 x 5 mm   |      | ●    | ○    |
| 30 x 6 mm   |      | ○    |      |
| 30 x 10 mm  |      | ○    | ○    |
| 32 x 1 mm   |      | ○    |      |
| 32 x 2 mm   |      | ○    | ●    |
| 32 x 3 mm   |      | ●    |      |
| 33 x 1.5 mm |      | ○    |      |
| 33 x 3 mm   |      | ○    |      |
| 35 x 1 mm   |      | ○    |      |
| 35 x 1.5 mm | ○    | ○    |      |

| Diam.       | CUA1 | CUB1 | CUC1 |
|-------------|------|------|------|
| 35 x 2 mm   |      | ○    |      |
| 35 x 3 mm   |      | ○    |      |
| 35 x 4 mm   |      | ○    |      |
| 35 x 5 mm   |      | ○    |      |
| 35 x 7.5 mm |      | ●    |      |
| 36 x 1 mm   |      | ●    |      |
| 36 x 2 mm   |      | ●    |      |
| 36 x 3 mm   |      | ●    |      |
| 36 x 10 mm  |      | ○    |      |
| 38 x 1.5 mm | ○    | ○    |      |
| 38 x 2 mm   |      | ○    |      |
| 38 x 4 mm   |      | ○    |      |
| 40 x 1 mm   |      | ●    |      |
| 40 x 1.5 mm | ○    | ○    |      |
| 40 x 1.6 mm |      | ○    |      |
| 40 x 2 mm   |      | ●    | ○    |
| 40 x 2.5 mm |      | ●    |      |
| 40 x 3 mm   |      | ○    |      |
| 40 x 4 mm   |      | ○    |      |
| 40 x 5 mm   |      | ○    | ○    |
| 40 x 6 mm   |      | ●    | ○    |
| 40 x 10 mm  | ○    | ●    | ○    |
| 42 x 1 mm   |      | ○    |      |
| 42 x 1.5 mm |      | ○    |      |
| 42 x 2 mm   |      | ○    |      |
| 42 x 3 mm   |      | ○    |      |
| 42 x 4 mm   |      | ○    |      |
| 45 x 1 mm   |      | ○    |      |
| 45 x 2 mm   |      | ●    |      |
| 45 x 2.5 mm | ○    | ○    |      |
| 48 x 1.5 mm |      | ○    |      |
| 48 x 3 mm   |      | ○    |      |
| 48 x 4 mm   |      | ○    |      |
| 50 x 1.5 mm |      | ○    |      |
| 50 x 2 mm   |      | ●    |      |
| 50 x 2.5 mm |      | ○    |      |
| 50 x 3 mm   |      | ○    |      |
| 50 x 4 mm   |      | ○    |      |
| 50 x 5 mm   | ●    | ○    |      |
| 50 x 7.5 mm |      | ○    |      |

POSSIBILITES : CUA1, CUB1, CUC1,  
en dimensions Hors standard.  
de recuit à 4/4 dur, sur fabrication rapide.  
Tube cuivre recuit en rouleau: Dispo, nous consulter.

- Délai: Disponible (sauf rupture de stock).
- Délai: 8 à 10 jours sur standard.

# Tubes cuivre

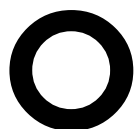


| Diam.        | CUA1 | CUB1 | CUC1 |
|--------------|------|------|------|
| 50 x 10 mm   | ●    | ○    | ○    |
| 53 x 1.5 mm  |      | ○    |      |
| 54 x 1.5 mm  |      | ○    |      |
| 54 x 2 mm    |      | ○    |      |
| 54 x 4 mm    |      | ○    |      |
| 55 x 2.5 mm  | ○    | ○    |      |
| 55 x 5 mm    |      | ○    |      |
| 56 x 2 mm    |      | ●    |      |
| 57 x 3.5 mm  |      | ●    |      |
| 57 x 5 mm    |      | ○    |      |
| 60 x 1.5 mm  |      | ○    |      |
| 60 x 2 mm    |      | ○    | ○    |
| 60 x 3 mm    |      | ○    |      |
| 60 x 4 mm    |      | ○    |      |
| 60 x 5 mm    |      | ○    | ○    |
| 60 x 10 mm   |      | ○    |      |
| 60 x 15 mm   |      | ○    |      |
| 63 x 1.6 mm  |      | ○    |      |
| 63 x 2.5 mm  |      | ○    |      |
| 63 x 10 mm   |      | ○    |      |
| 65 x 2.5 mm  |      | ○    |      |
| 65 x 12.5 mm | ○    |      |      |
| 68 x 2 mm    |      | ○    |      |
| 70 x 2 mm    |      | ○    |      |
| 70 x 2.5 mm  |      | ○    |      |
| 70 x 4 mm    |      | ○    |      |
| 70 x 5 mm    |      | ○    |      |
| 70 x 6 mm    | ○    |      |      |
| 70 x 10 mm   |      | ○    |      |
| 70 x 12.5 mm |      | ○    |      |
| 70 x 15 mm   |      | ○    |      |
| 70 x 20 mm   |      | ●    |      |
| 75 x 2.5 mm  |      | ○    |      |
| 75 x 5 mm    |      | ○    |      |
| 76 x 3 mm    |      | ○    |      |
| 80 x 2 mm    |      | ○    |      |
| 80 x 2.5 mm  |      | ○    |      |
| 80 x 5 mm    |      | ○    | ○    |
| 80 x 10 mm   |      | ●    |      |
| 80 x 15 mm   |      | ○    |      |

| Diam.         | CUA1 | CUB1 | CUC1 |
|---------------|------|------|------|
| 80 x 20 mm    |      | ○    |      |
| 85 x 2 mm     |      | ○    |      |
| 85 x 2.5 mm   |      | ○    |      |
| 85 x 10 mm    |      | ○    |      |
| 85 x 15 mm    |      | ○    |      |
| 85 x 20 mm    |      | ○    |      |
| 86 x 3 mm     |      | ○    |      |
| 89 x 2.5 mm   |      | ○    |      |
| 90 x 3 mm     |      | ○    |      |
| 90 x 4 mm     |      | ○    |      |
| 90 x 5 mm     |      | ●    |      |
| 90 x 10 mm    |      | ○    |      |
| 95 x 2.5 mm   |      | ○    |      |
| 95 x 10 mm    |      | ○    |      |
| 100 x 2 mm    |      | ○    |      |
| 100 x 2.5 mm  |      | ○    |      |
| 100 x 3 mm    |      | ○    |      |
| 100 x 5 mm    |      | ○    | ○    |
| 100 x 10 mm   |      | ○    |      |
| 100 x 20 mm   |      | ●    |      |
| 104 x 2 mm    |      | ○    |      |
| 105 x 5 mm    |      | ○    |      |
| 105 x 10 mm   |      | ○    |      |
| 105 x 12.5 mm |      | ○    |      |
| 105 x 15 mm   |      | ○    |      |
| 108 x 4 mm    |      | ○    |      |
| 110 x 2.5 mm  | ○    | ○    |      |
| 110 x 3 mm    |      | ○    |      |
| 110 x 5 mm    |      | ○    |      |
| 110 x 10 mm   |      | ○    |      |
| 110 x 12.5 mm | ○    |      |      |
| 115 x 7 mm    | ○    |      |      |
| 120 x 5 mm    |      | ●    |      |
| 120 x 10 mm   |      | ○    |      |
| 125 x 3 mm    |      | ○    |      |
| 125 x 17.5 mm | ○    |      |      |
| 130 x 2.5 mm  |      | ○    |      |
| 130 x 5 mm    |      | ●    |      |
| 130 x 10 mm   |      | ○    |      |
| 133 x 3 mm    |      | ○    |      |

POSSIBILITES : CUA1, CUB1, CUC1,  
en dimensions Hors standard.  
de recuit à 4/4 dur, sur fabrication rapide.  
Tube cuivre recuit en rouleau: Dispo, nous consulter.

● Délai: Disponible (sauf rupture de stock).  
○ Délai: 8 à 10 jours sur standard.



# Tubes cuivre

| Diam.       | CUA1 | CUB1 | CUC1 |
|-------------|------|------|------|
| 133 x 4 mm  |      | ○    |      |
| 134 x 2 mm  |      | ○    |      |
| 135 x 5 mm  |      | ○    |      |
| 135 x 10 mm |      | ○    |      |
| 135 x 15 mm |      | ○    |      |
| 140 x 5 mm  |      | ●    |      |
| 140 x 10 mm |      | ○    |      |
| 140 x 15 mm |      | ○    |      |
| 150 x 5 mm  |      | ○    |      |
| 150 x 10 mm | ○    |      | ○    |
| 150 x 15 mm |      | ○    |      |
| 154 x 2 mm  |      | ○    |      |
| 155 x 5 mm  |      | ○    |      |
| 155 x 15 mm | ○    |      |      |

| Diam.         | CUA1 | CUB1 | CUC1 |
|---------------|------|------|------|
| 155 x 20 mm   |      | ○    |      |
| 155 x 29.5 mm |      | ●    |      |
| 156 x 3 mm    | ○    | ○    |      |
| 159 x 3 mm    |      | ○    |      |
| 160 x 10 mm   | ○    |      |      |
| 170 x 2.5 mm  |      | ○    |      |
| 170 x 10 mm   |      | ○    |      |
| 180 x 10 mm   |      | ○    |      |
| 190 x 11 mm   |      | ○    |      |
| 204 x 2 mm    |      | ○    |      |
| 206 x 3 mm    |      | ○    |      |
| 219 x 3 mm    |      | ○    |      |
| 220 x 10 mm   | ○    |      | ○    |
| 250 x 3 mm    |      | ○    |      |
| 267 x 3 mm    |      | ○    |      |

POSSIBILITES : CUA1, CUB1, CUC1,  
en dimensions Hors standard.  
de recuit à 4/4 dur, sur fabrication rapide.  
Tube cuivre recuit en rouleau: Dispo, nous consulter.

● Délai: Disponible (sauf rupture de stock).  
○ Délai: 8 à 10 jours sur standard.



# Tubes carrés et rectangulaires en cuivre

| Dimensions      | CUA1 | CUB1 | CUC1 |
|-----------------|------|------|------|
| 4 x 4 x 0.5 mm  |      | ○    |      |
| 4 x 4 x 1 mm    |      |      | ●    |
| 5 x 3 x 0.5 mm  |      | ○    |      |
| 5 x 5 x 1 mm    |      |      | ●    |
| 6 x 6 x 1 mm    |      | ●    | ●    |
| 7 x 5 x 1 mm    |      |      | ●    |
| 8 x 4 x 1 mm    |      |      | ●    |
| 8 x 5 x 1 mm    |      | ○    |      |
| 8 x 6 x 1 mm    |      | ○    |      |
| 8 x 8 x 1 mm    |      | ●    |      |
| 10 x 5 x 1 mm   |      | ○    |      |
| 10 x 6 x 1 mm   |      | ○    |      |
| 10 x 8 x 1 mm   |      | ○    |      |
| 10 x 8 x 1.5 mm |      | ○    |      |
| 10 x 10 x 1 mm  |      | ○    |      |
| 12 x 6 x 1 mm   |      | ○    |      |
| 12 x 6 x 1.5 mm |      | ○    |      |

| Dimensions       | CUA1 | CUB1 | CUC1 |
|------------------|------|------|------|
| 12 x 10 x 1 mm   |      | ○    |      |
| 12 x 12 x 1 mm   |      | ○    |      |
| 15 x 10 x 1 mm   |      | ○    |      |
| 15 x 10 x 1.5 mm | ●    |      |      |
| 16 x 12 x 1 mm   |      | ○    |      |
| 16 x 14 x 2 mm   |      | ○    |      |
| 18 x 18 x 1 mm   |      | ○    |      |
| 20 x 7 x 1 mm    |      | ○    |      |
| 20 x 10 x 1 mm   |      | ●    | ●    |
| 20 x 10 x 2 mm   |      | ○    |      |
| 20 x 12 x 1 mm   |      | ○    |      |
| 20 x 20 x 1 mm   |      | ○    |      |
| 20 x 20 x 1.5 mm |      |      | ●    |
| 26 x 17 x 3 mm   |      | ○    |      |
| 30 x 20 x 2 mm   | ●    |      |      |
| 45 x 35 x 4 mm   |      | ○    |      |
| 50 x 15 x 4 mm   |      | ○    |      |

● Délai: Disponible (sauf rupture de stock).  
○ Délai: 8 à 10 jours sur standard.

# Tôles cuivre

| Ep.    | format      | kg/tôle | CUB1<br>(recuit à 4/4 dur) | CUB1<br>(1/2 dur) | CUA1<br>(1/2 dur) | CUC1<br>(1/2 dur) |
|--------|-------------|---------|----------------------------|-------------------|-------------------|-------------------|
| 0.1 mm | 600 x 2000  | 0.9     |                            | ○                 |                   |                   |
| 0.2 mm | 600 x 2000  | 1.8     |                            | ○                 | ●                 |                   |
| 0.3 mm | 600 x 2000  | 5.4     |                            | ○                 |                   |                   |
| 0.4 mm | 600 x 2000  | 7.1     |                            | ○                 |                   |                   |
| 0.5 mm | 1000 x 2000 | 9.0     | ○                          | ●                 |                   |                   |
| 0.6 mm | 1000 x 2000 | 10.8    | ○                          | ○                 |                   |                   |
| 0.6 mm | 1250 x 2500 | 16.7    |                            | ○                 |                   |                   |
| 0.7 mm | 1000 x 2000 | 12.5    |                            | ○                 |                   |                   |
| 0.8 mm | 1000 x 2000 | 14.4    | ○                          | ●                 |                   |                   |
| 0.8 mm | 1250 x 2500 | 22.3    |                            | ○                 |                   |                   |
| 1.0 mm | 1000 x 2000 | 18.0    | ●                          | ●                 | ●                 | ●                 |
| 1.0 mm | 1250 x 2500 | 28.0    |                            | ○                 |                   |                   |
| 1.2 mm | 1000 x 2000 | 19.7    | ○                          | ●                 |                   |                   |
| 1.5 mm | 1000 x 2000 | 27.0    | ●                          | ●                 | ●                 | ○                 |
| 1.5 mm | 1250 x 2500 | 42.0    |                            | ○                 |                   |                   |
| 1.5 mm | 1500 x 3000 | 60.0    |                            | ○                 |                   |                   |
| 2.0 mm | 1000 x 2000 | 36.0    | ●                          | ●                 | ●                 | ●                 |
| 2.0 mm | 1250 x 2500 | 56.0    |                            | ○                 |                   |                   |
| 2.0 mm | 1500 x 3000 | 80.0    |                            | ○                 |                   |                   |
| 2.5 mm | 1000 x 2000 | 44.8    | ○                          | ●                 | ○                 | ●                 |
| 3.0 mm | 1000 x 2000 | 53.7    | ●                          | ●                 | ●                 | ●                 |
| 3.0 mm | 1250 x 2500 | 85.0    |                            | ○                 |                   |                   |
| 3.0 mm | 1500 x 3000 | 120.0   |                            |                   |                   | ○                 |
| 4.0 mm | 1000 x 2000 | 72.0    | ●                          | ○                 | ●                 | ●                 |
| 4.0 mm | 1500 x 3000 | 160.0   |                            |                   |                   | ○                 |
| 5.0 mm | 1000 x 2000 | 90.0    | ○                          | ○                 | ●                 | ●                 |
| 5.0 mm | 1500 x 3000 | 200.0   |                            |                   |                   | ○                 |
| 6.0 mm | 1000 x 2000 | 108.0   | ●                          |                   | ●                 | ●                 |
| 6.0 mm | 1500 x 3000 | 240.0   |                            |                   |                   | ○                 |
| 8.0 mm | 1000 x 2000 | 144.0   |                            |                   | ●                 | ●                 |
| 8.0 mm | 1500 x 3000 | 321.0   |                            |                   |                   | ○                 |
| 10 mm  | 1000 x 2000 | 180.0   |                            |                   | ●                 | ●                 |
| 10 mm  | 1500 x 3000 | 400.0   |                            |                   |                   | ○                 |

● Délai: Disponible (sauf rupture de stock).

○ Délai: 8 à 10 jours.

POSSIBILITES: Découpes sur mesure.

POSSIBILITES : CUA1, CUC1:

Epaisseurs spéciales: De 26 à 200 mm .

Sur fabrication rapide (3 semaines environ).

# Tôles cuivre

| <i>Epaisseurs</i> | <i>CUA1</i> | <i>CUC1</i> |
|-------------------|-------------|-------------|
| 12 mm             | ●           | ●           |
| 15 mm             | ●           | ●           |
| 20 mm             | ●           | ●           |
| 25 mm             | ●           | ●           |
| 30 mm             | ●           | ●           |
| 35 mm             | ●           | ●           |
| 40 mm             | ●           | ●           |
| 45 mm             | ●           | ●           |

| <i>Epaisseurs</i> | <i>CUA1</i> | <i>CUC1</i> |
|-------------------|-------------|-------------|
| 50 mm             | ●           | ●           |
| 60 mm             | ●           | ●           |
| 70 mm             | ●           | ●           |
| 80 mm             | ●           | ●           |
| 100 mm            | ●           | ●           |
| 120 mm            | ○           | ●           |
| 150 mm            | ○           | ●           |
| 200 mm            | ○           | ○           |

# Tôles cuivre au chrome

| <i>Epaisseurs</i> | <i>Dimensions</i> | <i>CUCR1ZR</i> |
|-------------------|-------------------|----------------|
| 5 mm              | 500 x 2000        | ○              |
| 6 mm              | 500 x 2000        | ○              |
| 7 mm              | 500 x 2000        | ○              |
| 8 mm              | 500 x 2000        | ○              |
| 10 mm             | 500 x 2000        | ○              |
| 10 mm             | 1000 x 2000       | ○              |
| 12 mm             | 500 x 2000        | ○              |
| 13 mm             | 500 x 2000        | ○              |
| 15 mm             | 1000 x 2000       | ●              |
| 16 mm             | 500 x 2000        | ○              |
| 20 mm             | 500 x 1000        | ●              |
| 20 mm             | 1000 x 2000       | ○              |
| 25 mm             | 500 x 1000        | ●              |
| 25 mm             | 1000 x 2000       | ○              |
| 30 mm             | 500 x 1000        | ●              |
| 30 mm             | 1000 x 2000       | ○              |
| 32 mm             | 305 x 1000        | ○              |

| <i>Epaisseurs</i> | <i>Dimensions</i> | <i>CUCR1ZR</i> |
|-------------------|-------------------|----------------|
| 35 mm             | 500 x 1000        | ○              |
| 38 mm             | 305 x 500         | ○              |
| 40 mm             | 500 x 1000        | ●              |
| 40 mm             | 1000 x 2000       | ○              |
| 45 mm             | 500 x 1000        | ○              |
| 50 mm             | 500 x 1000        | ●              |
| 50 mm             | 1000 x 2000       | ○              |
| 60 mm             | 500 x 1000        | ●              |
| 60 mm             | 1000 x 2000       | ○              |
| 70 mm             | 500 x 1000        | ○              |
| 70 mm             | 600 x 200         | ○              |
| 80 mm             | 500 x 1000        | ○              |
| 80 mm             | 600 x 2000        | ○              |
| 90 mm             | 600 x 2000        | ○              |
| 100 mm            | 600 x 2000        | ○              |
| 120 mm            | 600 x 2000        | ○              |

- Délai: Disponible (sauf rupture de stock).
- Délai: 8 à 10 jours.

POSSIBILITES: Découpes sur mesure.

# Données Techniques

|                                                                         |                                                                                         |                                                                                                                                            |                                                                                                                                                                      |                                                                                                                                                    |                                                                                                                                                                      |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C<br>O<br>R<br>R<br>E<br>S<br>P<br>O<br>N<br>D<br>A<br>N<br>C<br>E<br>S | DESIGNATION<br>AFNOR                                                                    | CUA1                                                                                                                                       | CUB1                                                                                                                                                                 | CUC1                                                                                                                                               | CUTE                                                                                                                                                                 |
|                                                                         | Teneur mini%                                                                            | Cu: 99.90                                                                                                                                  | Cu: 99.85<br>P: 0.013 à 0.05                                                                                                                                         | Cu: 99.95<br>P: résiduel                                                                                                                           | Cu + Te: 99.90<br>Te: 0.4 à 0.7<br>P: 0.004 à 0.012                                                                                                                  |
|                                                                         | (Pas de correspondance à 100 % en particulier sur composition chimique et conductivité) |                                                                                                                                            |                                                                                                                                                                      |                                                                                                                                                    |                                                                                                                                                                      |
|                                                                         | ISO                                                                                     | CU-ETP                                                                                                                                     | CU-DHP                                                                                                                                                               | CU-OF                                                                                                                                              | CU-Te                                                                                                                                                                |
|                                                                         | DIN                                                                                     | E-CU 58<br>2.0065                                                                                                                          | SF-CU<br>2.0090                                                                                                                                                      | SE-CU<br>2.0070                                                                                                                                    | CU-Te(P)<br>2.1546                                                                                                                                                   |
|                                                                         | ASTM (USA)                                                                              | ETP<br>C 11000                                                                                                                             | DHP<br>C 12200                                                                                                                                                       | OF<br>C 10200                                                                                                                                      | DPIE<br>C 14500                                                                                                                                                      |
|                                                                         | UNI                                                                                     | CU-ETP                                                                                                                                     | CU-DHP                                                                                                                                                               | CU-OF                                                                                                                                              | CU-Te (P)                                                                                                                                                            |
|                                                                         | VSM                                                                                     | CU-ETP                                                                                                                                     | CU-DHP                                                                                                                                                               | CU-OF                                                                                                                                              | CU-Te                                                                                                                                                                |
|                                                                         | CONDUCTIVITE<br>IACS % MINI                                                             | 100                                                                                                                                        | 70/92                                                                                                                                                                | 100                                                                                                                                                | 85                                                                                                                                                                   |
|                                                                         | PROPRIETES<br><br>ET<br><br>UTILISATIONS                                                | Affinage<br>électrolytique<br>haute<br>conductibilité<br>pour usage<br>électrique.<br>Cuivre<br>sensible aux<br>atmosphères<br>réductrices | Conductibilité<br>électrique<br>médiocre.<br>Cuivre apte<br>aux opérations<br>de matriçage<br>à chaud et à<br>froid.<br>Insensible<br>aux<br>atmosphères réductrices | Haute conductibilité<br>utilisé pour des<br>applications à la fois<br>électroniques,<br>électriques et<br>mécaniques.<br><br>Test hydrogène<br>Bon | Cuivre<br>recommandé<br>pour le<br>décolletage.<br>S'usine aussi<br>facilement<br>que le laiton.<br>Bonne tenue<br>en température.<br>Equivalente au CU-Ag 0.08<br>% |
|                                                                         | APTITUDE AUX PROCEDES D'ASSEMBLAGE                                                      |                                                                                                                                            |                                                                                                                                                                      |                                                                                                                                                    |                                                                                                                                                                      |
|                                                                         | Brasage<br>tendre                                                                       | Bon                                                                                                                                        | Bon                                                                                                                                                                  | Bon                                                                                                                                                | Bon                                                                                                                                                                  |
|                                                                         | Brasage<br>fort au<br>chalumeau                                                         | Bon avec<br>flamme légère                                                                                                                  | Bon                                                                                                                                                                  | Bon                                                                                                                                                | Bon                                                                                                                                                                  |
|                                                                         | Soudage<br>oxyacétylène                                                                 | Déconseillé                                                                                                                                | Bon                                                                                                                                                                  | Bon                                                                                                                                                | Déconseillé                                                                                                                                                          |
|                                                                         | Soudage MIG                                                                             | Déconseillé                                                                                                                                | Bon                                                                                                                                                                  | Bon                                                                                                                                                | Déconseillé                                                                                                                                                          |
|                                                                         | Soudage TIG                                                                             | Moyen                                                                                                                                      | Bon                                                                                                                                                                  | Bon                                                                                                                                                | Bon                                                                                                                                                                  |
|                                                                         | Soudage par<br>résistance<br>en bout                                                    | Bon                                                                                                                                        | Moyen                                                                                                                                                                | Bon                                                                                                                                                | Déconseillé                                                                                                                                                          |
|                                                                         | Soudage par<br>points et à<br>la mollette                                               | Déconseillé                                                                                                                                | Moyen<br>Ep. 1,5 mm                                                                                                                                                  | Moyen<br>Ep. 1,5 mm                                                                                                                                | Déconseillé                                                                                                                                                          |

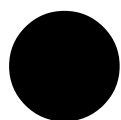
Ces informations sont données à titre purement indicatif et ne constituent en aucun cas des données contractuelles.

# Données Techniques

|                                                                         |                                                      |                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C<br>O<br>R<br>R<br>E<br>S<br>P<br>O<br>N<br>D<br>A<br>N<br>C<br>E<br>S | DESIGNATION<br>AFNOR                                 | CU CR1 ZR                                                                                                                                                                                                                                                                                             | CU BE2                                                                                                                                                                                                                                                                                                                                                                                        | CU CO2 BE0.5                                                                                                                                                                                                                                    |
|                                                                         | Teneur mini %                                        | Cu: Reste<br>Cr: > 0.4<br>Zr: 0.02 à 0.10                                                                                                                                                                                                                                                             | Cu: Reste<br>Be: 1.8 à 2<br>Co: >0.2                                                                                                                                                                                                                                                                                                                                                          | Cu: Reste<br>Co: 2.5<br>Be: 0.5                                                                                                                                                                                                                 |
|                                                                         | DIN                                                  | CU CR ZR<br>2.1293                                                                                                                                                                                                                                                                                    | CU BE2<br>2.1247                                                                                                                                                                                                                                                                                                                                                                              | CU CO BE<br>2.1285                                                                                                                                                                                                                              |
|                                                                         | ASTM                                                 | C 18200<br>C 18400<br>C 18500                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                               | C 17500                                                                                                                                                                                                                                         |
|                                                                         | CONDUCTIVITE<br>IACS % MINI                          | > 75                                                                                                                                                                                                                                                                                                  | Avant revenu: 15 à 18<br>Après revenu standard:<br>22 à 23<br>Revenu en usine: 20 à 28                                                                                                                                                                                                                                                                                                        | Avant revenu: 22 à 25<br>Après revenu standard: 45 à 48<br>Revenu en usine: 45 à 60                                                                                                                                                             |
|                                                                         | PROPRIETES<br>ET<br>UTILISATIONS                     | Soudage de<br>l'acier doux et<br>revêtu par<br>points et en<br>bout.<br>Le traitement<br>thermique,<br>effectué sur les<br>barres et tôles,<br>confère à ce<br>matériau une grande<br>stabilité des<br>performances<br>mécaniques et<br>électriques jusqu'à<br>une température de<br>service de 400°C | Remarquables qualités<br>de résistance à la<br>traction et à la<br>fatigue, tout en conservant ou<br>améliorant<br>les avantages propres aux alliages<br>cuivreux:<br>Conductibilité électrique, anti-<br>corrosion, aimantisme.<br>De plus il ne provoque aucune<br>étincelle au choc<br>(anti-déflagrant).<br>Matériel électrique<br>Téléphonique<br>Informatique - Minier<br>Pyrotechnique | Soudage de l'acier inoxydable par<br>points,<br>en bouts et à la<br>mollette.<br>Soudage par bossage<br>de l'acier doux,<br>revêtu et inox.<br>Pièces conductrices<br>très sollicitées.<br>Piston d'injection<br>pour fonderie<br>sous pression |
|                                                                         | CONDUCTIBILITE<br>THERMIQUE                          | Très bon                                                                                                                                                                                                                                                                                              | Bon                                                                                                                                                                                                                                                                                                                                                                                           | Très bon                                                                                                                                                                                                                                        |
|                                                                         | AMAGNETISME                                          | Très bon                                                                                                                                                                                                                                                                                              | Très bon                                                                                                                                                                                                                                                                                                                                                                                      | Très bon                                                                                                                                                                                                                                        |
|                                                                         | RESISTANCE A<br>L'USURE                              | Médiocre                                                                                                                                                                                                                                                                                              | Très bon                                                                                                                                                                                                                                                                                                                                                                                      | Bon                                                                                                                                                                                                                                             |
|                                                                         | RESISTANCE AUX<br>CHOC                               | Très bon                                                                                                                                                                                                                                                                                              | Très bon                                                                                                                                                                                                                                                                                                                                                                                      | Bon                                                                                                                                                                                                                                             |
|                                                                         | RESISTANCE AU<br>MATAGE                              | Médiocre                                                                                                                                                                                                                                                                                              | Bon                                                                                                                                                                                                                                                                                                                                                                                           | Médiocre                                                                                                                                                                                                                                        |
|                                                                         | FROTTEMENT<br>LUBRIFIE SOUS<br>FAIBLE CHARGE         | Médiocre                                                                                                                                                                                                                                                                                              | Bon                                                                                                                                                                                                                                                                                                                                                                                           | Très bon                                                                                                                                                                                                                                        |
|                                                                         | FROTTEMENT<br>LUBRIFIE SOUS<br>FORTE CHARGE          | Médiocre                                                                                                                                                                                                                                                                                              | Bon                                                                                                                                                                                                                                                                                                                                                                                           | Très bon                                                                                                                                                                                                                                        |
|                                                                         | FROTTEMENT<br>CONDITIONS<br>SEVERES<br>D'UTILISATION | Mauvais                                                                                                                                                                                                                                                                                               | Bon                                                                                                                                                                                                                                                                                                                                                                                           | Très bon                                                                                                                                                                                                                                        |
|                                                                         | TIG                                                  | Bon                                                                                                                                                                                                                                                                                                   | /                                                                                                                                                                                                                                                                                                                                                                                             | Bon                                                                                                                                                                                                                                             |
|                                                                         | MIG                                                  | Bon                                                                                                                                                                                                                                                                                                   | /                                                                                                                                                                                                                                                                                                                                                                                             | Bon                                                                                                                                                                                                                                             |
|                                                                         | ARC                                                  | Bon                                                                                                                                                                                                                                                                                                   | /                                                                                                                                                                                                                                                                                                                                                                                             | Bon                                                                                                                                                                                                                                             |
|                                                                         | BRASAGE TENDRE                                       | Bon                                                                                                                                                                                                                                                                                                   | /                                                                                                                                                                                                                                                                                                                                                                                             | Bon                                                                                                                                                                                                                                             |
|                                                                         | BRASAGE DUR                                          | Bon                                                                                                                                                                                                                                                                                                   | /                                                                                                                                                                                                                                                                                                                                                                                             | Bon                                                                                                                                                                                                                                             |

Ces informations sont données à titre purement indicatif et ne constituent en aucun cas des données contractuelles.

# LE LAITON



# Ronds Laiton

| Diam.  | kg/m  | UZ39PB3 |
|--------|-------|---------|
| 1 mm   | 0.007 | ○       |
| 1.5 mm | 0.015 | ●       |
| 2 mm   | 0.02  | ●       |
| 2.5 mm | 0.04  | ●       |
| 3 mm   | 0.06  | ●       |
| 3.5 mm | 0.08  | ●       |
| 4 mm   | 0.10  | ●       |
| 4.5 mm | 0.13  | ○       |
| 5 mm   | 0.16  | ●       |
| 5.5 mm | 0.20  | ●       |
| 6 mm   | 0.24  | ●       |
| 7 mm   | 0.32  | ●       |
| 8 mm   | 0.42  | ●       |
| 9 mm   | 0.54  | ●       |
| 10 mm  | 0.67  | ●       |
| 11 mm  | 0.81  | ●       |
| 12 mm  | 0.96  | ●       |
| 13 mm  | 1.13  | ●       |
| 14 mm  | 1.31  | ●       |
| 15 mm  | 1.50  | ●       |
| 16 mm  | 1.71  | ●       |
| 17 mm  | 1.93  | ●       |
| 18 mm  | 2.16  | ●       |
| 19 mm  | 2.41  | ●       |
| 20 mm  | 2.67  | ●       |
| 21 mm  | 2.94  | ●       |
| 22 mm  | 3.23  | ●       |
| 23 mm  | 3.53  | ●       |
| 24 mm  | 3.85  | ●       |
| 25 mm  | 4.17  | ●       |
| 26 mm  | 4.51  | ●       |
| 27 mm  | 4.87  | ○       |
| 28 mm  | 5.23  | ●       |
| 29 mm  | 5.61  | ●       |
| 30 mm  | 6.01  | ●       |
| 31 mm  | 6.41  | ○       |
| 32 mm  | 6.84  | ●       |
| 33 mm  | 7.30  | ○       |
| 34 mm  | 7.72  | ○       |
| 35 mm  | 8.18  | ●       |
| 36 mm  | 8.65  | ●       |
| 37 mm  | 9.20  | ○       |
| 38 mm  | 9.64  | ●       |

| Diam.  | kg/m    | UZ39PB3 |
|--------|---------|---------|
| 39 mm  | 10.10   | ○       |
| 40 mm  | 10.70   | ●       |
| 41 mm  | 11.22   | ○       |
| 42 mm  | 11.80   | ●       |
| 43 mm  | 12.34   | ○       |
| 44 mm  | 12.92   | ○       |
| 45 mm  | 13.50   | ●       |
| 46 mm  | 14.13   | ○       |
| 48 mm  | 15.40   | ○       |
| 50 mm  | 16.70   | ●       |
| 52 mm  | 18.05   | ○       |
| 55 mm  | 20.20   | ●       |
| 56 mm  | 20.94   | ○       |
| 60 mm  | 24.00   | ●       |
| 63 mm  | 26.50   | ○       |
| 65 mm  | 28.20   | ●       |
| 66 mm  | 29.10   | ○       |
| 68 mm  | 30.90   | ○       |
| 70 mm  | 32.70   | ●       |
| 72 mm  | 34.60   | ○       |
| 75 mm  | 37.60   | ●       |
| 80 mm  | 42.70   | ●       |
| 85 mm  | 48.20   | ●       |
| 90 mm  | 54.20   | ●       |
| 95 mm  | 60.22   | ○       |
| 100 mm | 66.70   | ●       |
| 105 mm | 73.70   | ○       |
| 110 mm | 81.00   | ●       |
| 115 mm | 88.30   | ○       |
| 120 mm | 96.00   | ●       |
| 125 mm | 104.26  | ○       |
| 130 mm | 113.00  | ●       |
| 140 mm | 131.00  | ●       |
| 150 mm | 150.00  | ●       |
| 160 mm | 171.00  | ●       |
| 170 mm | 198.00  | ●       |
| 180 mm | 216.00  | ●       |
| 200 mm | 267.00  | ●       |
| 225 mm | 338.00  | ●       |
| 250 mm | 417.00  | ●       |
| 270 mm | 486.43  | ○       |
| 300 mm | 600.25  | ●       |
| 350 mm | 817.38  | ○       |
| 393 mm | 1030.50 | ●       |

● Disponible

○ 8 jours environ.

P.S. Autres diamètres sous 8 jours environ. Consultez-nous.

# Hexagones Laiton



| Hex.  | kg/m  | UZ39PB3 |
|-------|-------|---------|
| H 2   | 0.029 | ●       |
| H 2.5 | 0.046 | ●       |
| H 3   | 0.066 | ●       |
| H 3.5 | 0.092 | ●       |
| H 4   | 0.118 | ●       |
| H 4.5 | 0.151 | ●       |
| H 5   | 0.184 | ●       |
| H 5.5 | 0.222 | ●       |
| H 6   | 0.265 | ●       |
| H 6.5 | 0.313 | ●       |
| H 7   | 0.361 | ●       |
| H 8   | 0.471 | ●       |
| H 9   | 0.596 | ●       |
| H 10  | 0.736 | ●       |
| H 11  | 0.891 | ●       |
| H 12  | 1.060 | ●       |
| H 13  | 1.240 | ●       |
| H 14  | 1.440 | ●       |
| H 15  | 1.660 | ●       |
| H 16  | 1.880 | ●       |
| H 17  | 2.130 | ●       |
| H 18  | 2.390 | ●       |
| H 19  | 2.660 | ●       |
| H 20  | 2.950 | ●       |
| H 21  | 3.250 | ●       |
| H 22  | 3.610 | ●       |
| H 23  | 3.890 | ●       |
| H 24  | 4.240 | ●       |
| H 25  | 4.600 | ●       |
| H 26  | 4.980 | ●       |
| H 27  | 5.370 | ●       |
| H 28  | 5.770 | ●       |
| H 29  | 6.190 | ●       |

| Hex.  | kg/m   | UZ39PB3 |
|-------|--------|---------|
| H 30  | 6.620  | ●       |
| H 31  | 7.070  | ●       |
| H 32  | 7.540  | ●       |
| H 33  | 8.020  | ●       |
| H 34  | 8.510  | ●       |
| H 35  | 9.020  | ●       |
| H 36  | 9.540  | ●       |
| H 37  | 10.100 | ●       |
| H 38  | 10.600 | ●       |
| H 39  | 11.300 | ●       |
| H 40  | 11.800 | ●       |
| H 41  | 12.400 | ●       |
| H 42  | 13.000 | ●       |
| H 43  | 13.700 | ●       |
| H 44  | 14.400 | ●       |
| H 45  | 14.900 | ●       |
| H 46  | 15.600 | ●       |
| H 47  | 16.300 | ●       |
| H 48  | 16.900 | ●       |
| H 49  | 17.700 | ●       |
| H 50  | 18.400 | ●       |
| H 54  | 21.600 | ●       |
| H 55  | 22.300 | ●       |
| H 58  | 24.800 | ●       |
| H 60  | 26.500 | ●       |
| H 65  | 31.100 | ●       |
| H 70  | 36.200 | ●       |
| H 75  | 41.700 | ●       |
| H 80  | 47.110 | ●       |
| H 85  | 53.200 | ●       |
| H 90  | 59.630 | ●       |
| H 100 | 73.630 | ●       |
| H 110 | 88.970 | ●       |

● Dispo.

● 8 jours environ.

AUTRES POSSIBILITES : 6 PANS CREUX , 8 PANS DE 6 A 50 MM, 8 PANS CREUX DE 17 A 50 MM  
SOUS 8 JOURS ENVIRON



# Carrés Laiton

| Carré     | kg/m  | UZ39PB3 |
|-----------|-------|---------|
| 2 x 2     | 0.034 | ○       |
| 2.5 x 2.5 | 0.053 | ○       |
| 3 x 3     | 0.077 | ○       |
| 3.5 x 3.5 | 0.104 | ○       |
| 4 x 4     | 0.136 | ●       |
| 4.5 x 4.5 | 0.172 | ○       |
| 5 x 5     | 0.213 | ●       |
| 5.5 x 5.5 | 0.257 | ○       |
| 6 x 6     | 0.306 | ●       |
| 7 x 7     | 0.417 | ○       |
| 8 x 8     | 0.544 | ●       |
| 9 x 9     | 0.689 | ○       |
| 10 x 10   | 0.850 | ●       |
| 11 x 11   | 0.940 | ○       |
| 12 x 12   | 1.030 | ●       |
| 13 x 13   | 1.220 | ○       |
| 14 x 14   | 1.440 | ●       |
| 15 x 15   | 1.670 | ●       |
| 16 x 16   | 1.910 | ●       |
| 17 x 17   | 2.180 | ○       |
| 18 x 18   | 2.460 | ○       |
| 19 x 19   | 2.760 | ○       |
| 20 x 20   | 3.070 | ●       |
| 22 x 22   | 4.160 | ○       |
| 24 x 24   | 5.310 | ○       |

| Carré     | kg/m   | UZ39PB3 |
|-----------|--------|---------|
| 25 x 25   | 5.750  | ●       |
| 26 x 26   | 6.200  | ○       |
| 30 x 30   | 8.700  | ●       |
| 32 x 32   | 10.410 | ●       |
| 35 x 35   | 11.020 | ●       |
| 36 x 36   | 13.600 | ○       |
| 40 x 40   | 14.290 | ●       |
| 42 x 42   | 17.210 | ○       |
| 45 x 45   | 17.990 | ●       |
| 48 x 48   | 19.600 | ○       |
| 50 x 50   | 25.710 | ●       |
| 55 x 55   | 30.600 | ○       |
| 60 x 60   | 35.910 | ●       |
| 65 x 65   | 41.650 | ○       |
| 70 x 70   | 47.100 | ●       |
| 75 x 75   | 54.400 | ○       |
| 80 x 80   | 61.410 | ●       |
| 85 x 85   | 68.850 | ○       |
| 90 x 90   | 85.000 | ●       |
| 100 x 100 | 103.00 | ●       |
| 110 x 110 | 112.00 | ○       |
| 120 x 120 | 122.40 | ●       |
| 130 x 130 | 144.00 | ○       |
| 140 x 140 | 166.00 | ○       |
| 150 x 150 | 191.25 | ○       |

- Disponible
- 8 jours environ.

# Tôles Laiton

| Ep.mm | Formats     | kg/tôle | CuZn37 |            |     | CuZn39Pb3<br>Dur |
|-------|-------------|---------|--------|------------|-----|------------------|
|       |             |         | Recuit | 1/2<br>Dur | Dur |                  |
| 0.05  | 300 x 650   | 0.081   |        |            | ○   |                  |
| 0.1   | 300 x 2000  | 0.5     |        | ○          |     |                  |
| 0.15  | 600 x 2000  | 1.6     |        | ●          |     |                  |
| 0.2   | 600 x 2000  | 2.0     |        | ○          |     |                  |
| 0.3   | 600 x 2000  | 3.0     | ○      | ○          |     |                  |
| 0.4   | 600 x 2000  | 4.0     | ○      | ○          |     |                  |
| 0.5   | 670 x 1340  | 3.9     | ○      | ●          | ○   | ○                |
| 0.5   | 1000 x 2000 | 8.5     | ○      | ●          |     |                  |
| 0.6   | 670 x 1340  | 4.6     | ○      | ●          |     |                  |
| 0.7   | 600 x 2000  | 7.0     |        | ○          |     |                  |
| 0.7   | 1000 x 2000 | 11.9    |        | ○          |     |                  |
| 0.8   | 670 x 1340  | 6.2     | ○      | ●          | ○   | ○                |
| 0.8   | 1000 x 2000 | 13.6    |        | ●          |     |                  |
| 1.0   | 670 x 1340  | 7.7     | ○      | ●          | ○   | ○                |
| 1.0   | 1000 x 2000 | 17.0    | ○      | ●          | ○   |                  |
| 1.0   | 1250 x 2500 | 27.0    |        | ○          |     |                  |
| 1.2   | 600 x 2000  | 12.0    | ○      | ○          | ○   | ○                |
| 1.5   | 670 x 1340  | 11.5    | ○      | ●          | ○   | ○                |
| 1.5   | 1000 x 2000 | 25.5    | ○      | ●          |     |                  |
| 1.5   | 1250 x 2500 | 40.0    |        | ○          |     |                  |
| 2.0   | 670 x 1340  | 15.3    | ○      | ●          | ○   | ○                |
| 2.0   | 1000 x 2000 | 34.0    | ○      | ●          |     | ●                |
| 2.0   | 1250 x 2500 | 53.0    |        | ○          |     |                  |
| 2.5   | 600 x 2000  | 25.0    | ○      | ○          |     | ○                |
| 2.5   | 1000 x 2000 | 42.5    |        | ●          |     |                  |

| Ep.mm | Formats     | kg/tôle | CuZn37 |            |     | CuZn39Pb3<br>Dur |
|-------|-------------|---------|--------|------------|-----|------------------|
|       |             |         | Recuit | 1/2<br>Dur | Dur |                  |
| 3.0   | 600 x 2000  | 30      |        |            |     | ●                |
| 3.0   | 670 x 1340  | 22.9    | ●      | ●          | ○   |                  |
| 3.0   | 1000 x 2000 | 51.0    |        | ●          |     |                  |
| 3.0   | 1250 x 2500 | 82.0    |        | ○          |     |                  |
| 3.0   | 1500 x 3000 | 115.0   |        | ○          |     |                  |
| 4.0   | 600 x 2000  | 40.0    | ○      | ○          | ○   | ●                |
| 4.0   | 1000 x 2000 | 68.0    |        | ●          |     |                  |
| 4.0   | 1500 x 3000 | 153.0   |        | ○          |     |                  |
| 5.0   | 600 x 2000  | 50.0    |        | ○          | ○   | ●                |
| 5.0   | 1000 x 2000 | 85.0    |        | ●          |     |                  |
| 5.0   | 1500 x 3000 | 192.0   |        | ○          |     |                  |
| 6.0   | 600 x 2000  | 60.0    |        | ○          | ○   | ●                |
| 6.0   | 1000 x 2000 | 102.0   |        | ●          |     |                  |
| 6.0   | 1500 x 3000 | 230.0   |        | ○          |     |                  |
| 7.0   | 600 x 2000  | 70.0    |        | ○          |     | ○                |
| 8.0   | 600 x 2000  | 80.0    |        | ○          |     | ●                |
| 8.0   | 1000 x 2000 | 136.0   |        | ●          |     |                  |
| 8.0   | 1020 x 3020 | 210.0   |        |            |     | ○                |
| 10.0  | 600 x 2000  | 100.0   |        | ○          |     | ●                |
| 10.0  | 1000 x 2000 | 170.0   |        | ●          |     | ●                |
| 10.0  | 1020 x 3020 | 262.0   |        |            |     | ○                |

- Disponible
- 8 jours environ.

# Tôles Laiton

| Ep. mm | Formats     | kg/tôle | Cu Zn 37 | Cu Zn 39 Pb 3 |
|--------|-------------|---------|----------|---------------|
| 12.0   | 600 x 2000  | 127.0   | ○        |               |
| 12.0   | 1000 x 2000 | 210.0   | ●        | ●             |
| 12.0   | 1020 x 3020 | 314.0   |          | ○             |
| 15.0   | 600 x 2000  | 180.0   |          | ○             |
| 15.0   | 1000 x 2000 | 260.0   | ●        | ●             |
| 15.0   | 1020 x 3020 | 393.0   |          | ○             |
| 20.0   | 600 x 2000  | 230.0   | ●        | ○             |
| 20.0   | 1000 x 2000 | 350.0   | ○        | ●             |
| 20.0   | 1020 x 3020 | 524.0   |          | ○             |
| 25.0   | 600 x 2000  | 285.0   | ●        | ○             |
| 25.0   | 1000 x 2000 | 440.0   | ○        | ●             |
| 25.0   | 1020 x 3020 | 655.0   |          | ○             |
| 30.0   | 600 x 2000  | 340.0   | ●        | ○             |
| 30.0   | 1000 x 2000 | 560.0   | ○        | ●             |
| 30.0   | 1020 x 3020 | 786.0   |          | ○             |
| 35.0   | 1000 x 2000 | 595.0   |          | ●             |
| 35.0   | 1020 x 3020 | 917.0   |          | ○             |
| 40.0   | 600 x 2000  | 445.0   | ●        | ○             |
| 40.0   | 1000 x 2000 | 730.0   | ○        | ●             |
| 40.0   | 1020 x 3020 | 1048.0  |          | ○             |
| 45.0   | 1020 x 3020 | 1178.0  |          | ○             |
| 50.0   | 1000 x 2000 | 905.0   |          | ●             |
| 60.0   | 1000 x 2000 | 1080.0  |          | ●             |
| 70.0   | 1000 x 2000 | 1190.0  |          | ●             |
| 80.0   | 1020 x 2020 | 1401.0  |          | ●             |
| 90.0   | 1020 x 2020 | 1577.0  |          | ●             |
| 100.0  | 1020 x 2020 | 1751.0  |          | ○             |
| 120.0  | 600 x 2000  | 1224.0  |          | ○             |
| 130.0  | 1020 x 1020 | 1150.0  |          | ○             |
| 150.0  | 1020 x 2020 | 1330.0  |          | ○             |

● Disponible

○ 8 jours environ.

P.S. Autres épaisseurs en longueur supérieure à 3 mètres: Délai 8 jours environ, consultez-nous.

# Méplats Laiton



| Sections    | kg/m | UZ39Pb3 |
|-------------|------|---------|
| 5 x 3 mm    | 0.13 | ○       |
| 6 x 3 mm    | 0.15 | ○       |
| 8 x 3 mm    | 0.20 | ●       |
| 8 x 4 mm    | 0.27 | ●       |
| 8 x 5 mm    | 0.34 | ○       |
| 10 x 2 mm   | 0.17 | ●       |
| 10 x 2,5 mm | 0.21 | ●       |
| 10 x 3 mm   | 0.26 | ●       |
| 10 x 4 mm   | 0.34 | ●       |
| 10 x 5 mm   | 0.43 | ●       |
| 10 x 6 mm   | 0.51 | ●       |
| 10 x 8 mm   | 0.68 | ○       |
| 12 x 2 mm   | 0.20 | ●       |
| 12 x 3 mm   | 0.31 | ●       |
| 12 x 4 mm   | 0.41 | ●       |
| 12 x 5 mm   | 0.51 | ○       |
| 12 x 6 mm   | 0.61 | ●       |
| 12 x 8 mm   | 0.82 | ●       |
| 12 x 10 mm  | 1.02 | ○       |
| 15 x 2 mm   | 0.26 | ●       |
| 15 x 3 mm   | 0.38 | ●       |
| 15 x 4 mm   | 0.51 | ●       |
| 15 x 5 mm   | 0.64 | ●       |
| 15 x 6 mm   | 0.77 | ●       |
| 15 x 8 mm   | 1.02 | ●       |
| 15 x 10 mm  | 1.28 | ●       |
| 15 x 12 mm  | 1.53 | ○       |
| 16 x 3 mm   | 0.40 | ●       |
| 16 x 4 mm   | 0.54 | ●       |

| Sections   | kg/m | UZ39PB3 |
|------------|------|---------|
| 20 x 2 mm  | 0.34 | ●       |
| 20 x 3 mm  | 0.51 | ●       |
| 20 x 4 mm  | 0.68 | ●       |
| 20 x 5 mm  | 0.85 | ●       |
| 20 x 6 mm  | 1.02 | ●       |
| 20 x 8 mm  | 1.36 | ●       |
| 20 x 10 mm | 1.70 | ●       |
| 20 x 12 mm | 2.04 | ●       |
| 20 x 15 mm | 2.55 | ●       |
| 25 x 2 mm  | 0.42 | ●       |
| 25 x 3 mm  | 0.64 | ○       |
| 25 x 4 mm  | 0.84 | ●       |
| 25 x 5 mm  | 1.06 | ○       |
| 25 x 6 mm  | 1.28 | ●       |
| 25 x 8 mm  | 1.70 | ●       |
| 25 x 10 mm | 2.13 | ●       |
| 25 x 12 mm | 2.55 | ○       |
| 25 x 15 mm | 3.19 | ●       |
| 25 x 20 mm | 4.25 | ○       |
| 30 x 2 mm  | 0.51 | ○       |
| 30 x 3 mm  | 0.77 | ●       |
| 30 x 4 mm  | 1.02 | ○       |
| 30 x 5 mm  | 1.28 | ●       |
| 30 x 6 mm  | 1.53 | ○       |
| 30 x 8 mm  | 2.08 | ○       |
| 30 x 10 mm | 2.55 | ●       |
| 30 x 12 mm | 3.06 | ●       |
| 30 x 15 mm | 3.83 | ●       |
| 30 x 20 mm | 5.10 | ●       |

| Sections   | kg/m  | UZ39PB3 |
|------------|-------|---------|
| 30 x 25 mm | 6.38  | ○       |
| 35 x 3 mm  | 0.90  | ●       |
| 35 x 4 mm  | 1.19  | ●       |
| 35 x 5 mm  | 1.49  | ○       |
| 35 x 6 mm  | 1.78  | ○       |
| 35 x 8 mm  | 2.38  | ○       |
| 35 x 10 mm | 2.98  | ○       |
| 35 x 15 mm | 4.47  | ●       |
| 35 x 20 mm | 5.95  | ●       |
| 35 x 25 mm | 7.44  | ○       |
| 40 x 2 mm  | 0.68  | ●       |
| 40 x 3 mm  | 1.02  | ●       |
| 40 x 4 mm  | 1.36  | ●       |
| 40 x 5 mm  | 1.70  | ●       |
| 40 x 6 mm  | 2.04  | ●       |
| 40 x 8 mm  | 2.72  | ●       |
| 40 x 10 mm | 3.40  | ●       |
| 40 x 12 mm | 4.08  | ●       |
| 40 x 15 mm | 5.10  | ●       |
| 40 x 20 mm | 6.80  | ●       |
| 40 x 25 mm | 8.50  | ●       |
| 40 x 30 mm | 10.20 | ●       |
| 50 x 2 mm  | 0.85  | ○       |
| 50 x 3 mm  | 1.28  | ○       |
| 50 x 4 mm  | 1.70  | ●       |
| 50 x 5 mm  | 2.13  | ●       |
| 50 x 6 mm  | 2.55  | ●       |
| 50 x 8 mm  | 3.40  | ●       |
| 50 x 10 mm | 4.25  | ●       |

● Disponible

○ 8 jours environ.

P.S. Nombreuses autres dimensions sous 8/10 jours environ, consultez-nous.



# Méplats Laiton

| Sections   | kg/m  | UZ39PB3 |
|------------|-------|---------|
| 50 x 12 mm | 5.10  | ○       |
| 50 x 15 mm | 6.38  | ●       |
| 50 x 20 mm | 8.50  | ●       |
| 50 x 25 mm | 10.63 | ○       |
| 50 x 30 mm | 12.75 | ○       |
| 50 x 35 mm | 14.88 | ●       |
| 50 x 40 mm | 17.00 | ○       |
| 60 x 3 mm  | 1.53  | ○       |
| 60 x 4 mm  | 2.04  | ●       |
| 60 x 5 mm  | 2.55  | ●       |
| 60 x 6 mm  | 3.06  | ●       |
| 60 x 8 mm  | 4.08  | ●       |
| 60 x 10 mm | 5.10  | ●       |
| 60 x 12 mm | 6.12  | ●       |
| 60 x 15 mm | 7.65  | ●       |
| 60 x 20 mm | 10.20 | ●       |
| 60 x 25 mm | 12.75 | ○       |
| 60 x 30 mm | 15.30 | ●       |
| 60 x 40 mm | 20.40 | ●       |
| 70 x 5 mm  | 2.98  | ○       |
| 70 x 8 mm  | 4.80  | ●       |
| 70 x 10 mm | 5.95  | ○       |
| 70 x 15 mm | 8.93  | ●       |
| 70 x 20 mm | 11.90 | ○       |
| 70 x 25 mm | 14.88 | ○       |
| 70 x 30 mm | 17.80 | ●       |
| 70 x 40 mm | 23.80 | ○       |
| 70 x 50 mm | 29.80 | ○       |

| Sections    | kg/m  | UZ39PB3 |
|-------------|-------|---------|
| 80 x 4 mm   | 2.72  | ●       |
| 80 x 5 mm   | 3.40  | ○       |
| 80 x 6 mm   | 4.08  | ●       |
| 80 x 8 mm   | 5.44  | ●       |
| 80 x 10 mm  | 6.80  | ○       |
| 80 x 12 mm  | 8.16  | ○       |
| 80 x 15 mm  | 10.20 | ●       |
| 80 x 20 mm  | 13.60 | ○       |
| 80 x 25 mm  | 17.00 | ●       |
| 80 x 30 mm  | 20.40 | ○       |
| 80 x 40 mm  | 27.20 | ○       |
| 80 x 50 mm  | 34.00 | ○       |
| 80 x 60 mm  | 40.80 | ●       |
| 90 x 10 mm  | 7.65  | ○       |
| 90 x 20 mm  | 15.30 | ○       |
| 90 x 40 mm  | 30.60 | ○       |
| 90 x 50 mm  | 38.25 | ○       |
| 100 x 5 mm  | 4.25  | ●       |
| 100 x 6 mm  | 5.22  | ●       |
| 100 x 8 mm  | 6.80  | ○       |
| 100 x 10 mm | 8.50  | ●       |
| 100 x 12 mm | 10.20 | ○       |
| 100 x 15 mm | 12.75 | ●       |
| 100 x 20 mm | 17.00 | ●       |
| 100 x 25 mm | 21.30 | ○       |
| 100 x 30 mm | 25.20 | ●       |
| 100 x 40 mm | 34.00 | ○       |
| 100 x 50 mm | 42.50 | ●       |

| Sections    | kg/m  | UZ39PB3 |
|-------------|-------|---------|
| 100 x 60 mm | 51.00 | ○       |
| 100 x 80 mm | 68.00 | ○       |
| 120 x 10 mm | 10.20 | ○       |
| 120 x 12 mm | 12.00 | ●       |
| 120 x 40 mm | 40.80 | ○       |

● Disponible

○ 8 jours environ.

P.S. Nombreuses autres dimensions sous 8/10 jours environ, consultez-nous.

Découpes de tôles laiton UZ39PB3 épaisseur 10 à 100 mm, largeur mini 70 mm.

# Cornières Laiton



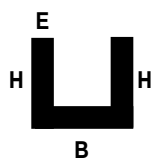
| <i>Dimensions</i>         | <i>kg/ml</i> |   |
|---------------------------|--------------|---|
| <i>L 10 x 10 x 1 mm</i>   | <i>0.165</i> | ● |
| <i>L 10 x 10 x 1.5 mm</i> | <i>0.240</i> | ○ |
| <i>L 10 x 10 x 2 mm</i>   | <i>0.310</i> | ● |
| <i>L 12 x 12 x 2 mm</i>   | <i>0.380</i> | ○ |
| <i>L 15 x 10 x 2 mm</i>   | <i>0.396</i> | ● |
| <i>L 15 x 15 x 1.5 mm</i> | <i>0.380</i> | ○ |
| <i>L 15 x 15 x 2 mm</i>   | <i>0.500</i> | ● |
| <i>L 15 x 15 x 3 mm</i>   | <i>0.695</i> | ● |
| <i>L 20 x 10 x 2 mm</i>   | <i>0.482</i> | ○ |
| <i>L 20 x 15 x 2 mm</i>   | <i>0.580</i> | ○ |
| <i>L 20 x 15 x 3 mm</i>   | <i>0.816</i> | ● |
| <i>L 20 x 16 x 5 mm</i>   | <i>1.300</i> | ● |
| <i>L 20 x 20 x 1.5 mm</i> | <i>0.500</i> | ● |
| <i>L 20 x 20 x 2 mm</i>   | <i>0.642</i> | ● |
| <i>L 20 x 20 x 3 mm</i>   | <i>0.955</i> | ● |
| <i>L 25 x 15 x 2 mm</i>   | <i>0.640</i> | ● |
| <i>L 25 x 25 x 1.5 mm</i> | <i>0.630</i> | ○ |
| <i>L 25 x 25 x 2 mm</i>   | <i>0.825</i> | ● |
| <i>L 25 x 25 x 3 mm</i>   | <i>1.190</i> | ○ |
| <i>L 25 x 25 x 4 mm</i>   | <i>1.600</i> | ● |
| <i>L 30 x 10 x 1.5 mm</i> | <i>0.450</i> | ● |
| <i>L 30 x 15 x 2 mm</i>   | <i>0.730</i> | ○ |
| <i>L 30 x 15 x 3 mm</i>   | <i>1.085</i> | ● |
| <i>L 30 x 20 x 2 mm</i>   | <i>0.840</i> | ● |
| <i>L 30 x 20 x 3 mm</i>   | <i>1.450</i> | ○ |
| <i>L 30 x 30 x 2 mm</i>   | <i>0.990</i> | ● |
| <i>L 30 x 30 x 3 mm</i>   | <i>1.475</i> | ○ |
| <i>L 30 x 30 x 4 mm</i>   | <i>1.904</i> | ○ |
| <i>L 30 x 30 x 5 mm</i>   | <i>2.340</i> | ● |
| <i>L 35 x 10 x 2 mm</i>   | <i>0.549</i> | ○ |

| <i>Dimensions</i>        | <i>kg/ml</i> |   |
|--------------------------|--------------|---|
| <i>L 35 x 35 x 3 mm</i>  | <i>1.780</i> | ● |
| <i>L 35 x 35 x 4 mm</i>  | <i>2.250</i> | ○ |
| <i>L 35 x 35 x 5 mm</i>  | <i>2.760</i> | ○ |
| <i>L 40 x 20 x 2 mm</i>  | <i>0.980</i> | ● |
| <i>L 40 x 20 x 3 mm</i>  | <i>1.450</i> | ● |
| <i>L 40 x 20 x 4 mm</i>  | <i>2.000</i> | ○ |
| <i>L 40 x 30 x 3 mm</i>  | <i>1.709</i> | ○ |
| <i>L 40 x 40 x 2 mm</i>  | <i>1.370</i> | ○ |
| <i>L 40 x 40 x 3 mm</i>  | <i>1.810</i> | ● |
| <i>L 40 x 40 x 4 mm</i>  | <i>2.610</i> | ● |
| <i>L 40 x 40 x 5 mm</i>  | <i>3.188</i> | ○ |
| <i>L 45 x 45 x 3 mm</i>  | <i>2.219</i> | ○ |
| <i>L 45 x 45 x 4 mm</i>  | <i>2.924</i> | ● |
| <i>L 50 x 20 x 3 mm</i>  | <i>1.709</i> | ● |
| <i>L 50 x 20 x 4 mm</i>  | <i>2.355</i> | ○ |
| <i>L 50 x 30 x 3 mm</i>  | <i>1.960</i> | ○ |
| <i>L 50 x 30 x 4 mm</i>  | <i>2.584</i> | ○ |
| <i>L 50 x 30 x 8 mm</i>  | <i>5.100</i> | ○ |
| <i>L 50 x 50 x 3 mm</i>  | <i>2.473</i> | ○ |
| <i>L 50 x 50 x 4 mm</i>  | <i>3.300</i> | ● |
| <i>L 50 x 50 x 5 mm</i>  | <i>4.100</i> | ● |
| <i>L 50 x 50 x 10 mm</i> | <i>7.650</i> | ○ |
| <i>L 60 x 40 x 4 mm</i>  | <i>3.340</i> | ● |
| <i>L 60 x 60 x 5 mm</i>  | <i>4.888</i> | ○ |
| <i>L 60 x 60 x 6 mm</i>  | <i>5.700</i> | ○ |
| <i>L 70 x 70 x 7 mm</i>  | <i>7.914</i> | ○ |
| <i>L 80 x 40 x 4 mm</i>  | <i>3.944</i> | ○ |
| <i>L 80 x 80 x 5 mm</i>  | <i>6.588</i> | ○ |
| <i>L 100 x 50 x 8 mm</i> | <i>9.656</i> | ○ |

● Disponible

○ Délai 8 / 10 jours environ.

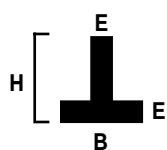
Autres dimensions sous 8/10 jours environ. Consultez-nous.



## U - Laiton

| <i>H x B x H x E</i>           | <i>kg/m</i>  |   |
|--------------------------------|--------------|---|
| <i>U 10 x 10 x 10 x 1.5 mm</i> | <i>0.350</i> | ○ |
| <i>U 10 x 10 x 10 x 2 mm</i>   | <i>0.442</i> | ○ |
| <i>U 10 x 15 x 10 x 1.5 mm</i> | <i>0.420</i> | ○ |
| <i>U 10 x 20 x 10 x 2 mm</i>   | <i>0.612</i> | ○ |
| <i>U 10 x 20 x 10 x 1.5 mm</i> | <i>0.475</i> | ○ |
| <i>U 10 x 30 x 10 x 2 mm</i>   | <i>0.782</i> | ○ |
| <i>U 15 x 10 x 15 x 1.5 mm</i> | <i>0.480</i> | ○ |
| <i>U 15 x 15 x 15 x 2 mm</i>   | <i>0.700</i> | ● |
| <i>U 16 x 28 x 16 x 1.5 mm</i> | <i>0.748</i> | ○ |
| <i>U 27 x 16 x 27 x 3 mm</i>   | <i>1.652</i> | ○ |

| <i>H x B x H x E</i>           | <i>kg/m</i>  |   |
|--------------------------------|--------------|---|
| <i>U 20 x 15 x 20 x 2 mm</i>   | <i>0.880</i> | ○ |
| <i>U 20 x 20 x 20 x 1.5 mm</i> | <i>0.730</i> | ○ |
| <i>U 20 x 20 x 20 x 2 mm</i>   | <i>0.950</i> | ○ |
| <i>U 20 x 20 x 20 x 3 mm</i>   | <i>1.380</i> | ○ |
| <i>U 20 x 40 x 20 x 2 mm</i>   | <i>1.292</i> | ○ |
| <i>U 20 x 40 x 20 x 4 mm</i>   | <i>2.448</i> | ○ |
| <i>U 25 x 25 x 25 x 2 mm</i>   | <i>1.290</i> | ○ |
| <i>U 30 x 30 x 30 x 3 mm</i>   | <i>2.142</i> | ● |
| <i>U 40 x 20 x 40 x 3 mm</i>   | <i>2.425</i> | ○ |
| <i>U 40 x 40 x 40 x 3 mm</i>   | <i>2.907</i> | ● |



## T - Laiton

| <i>B x H x E</i>        | <i>kg/m</i>  |   |
|-------------------------|--------------|---|
| <i>T 10 x 10 x 2 mm</i> | <i>0.306</i> | ○ |
| <i>T 12 x 12 x 2 mm</i> | <i>0.374</i> | ● |
| <i>T 15 x 15 x 2 mm</i> | <i>0.476</i> | ○ |
| <i>T 20 x 20 x 2 mm</i> | <i>0.643</i> | ○ |
| <i>T 20 x 20 x 3 mm</i> | <i>1.020</i> | ○ |
| <i>T 25 x 25 x 2 mm</i> | <i>0.816</i> | ○ |

| <i>B x H x E</i>        | <i>kg/m</i>  |   |
|-------------------------|--------------|---|
| <i>T 25 x 25 x 3 mm</i> | <i>1.199</i> | ○ |
| <i>T 30 x 30 x 2 mm</i> | <i>1.020</i> | ○ |
| <i>T 30 x 30 x 3 mm</i> | <i>1.454</i> | ○ |
| <i>T 40 x 25 x 4 mm</i> | <i>2.074</i> | ○ |
| <i>T 40 x 40 x 4 mm</i> | <i>2.720</i> | ○ |
| <i>T 40 x 40 x 5 mm</i> | <i>3.188</i> | ○ |



## Demi-Ronds Laiton

|                  |              |   |
|------------------|--------------|---|
| <i>3 x 6 mm</i>  | <i>0.120</i> | ○ |
| <i>4 x 8 mm</i>  | <i>0.220</i> | ○ |
| <i>5 x 10 mm</i> | <i>0.340</i> | ○ |

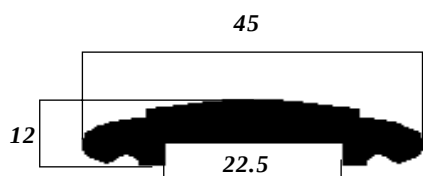
|                    |              |   |
|--------------------|--------------|---|
| <i>6 x 12 mm</i>   | <i>0.480</i> | ○ |
| <i>7.5 x 15 mm</i> | <i>0.760</i> | ○ |
| <i>10 x 20 mm</i>  | <i>1.350</i> | ○ |

● Disponible

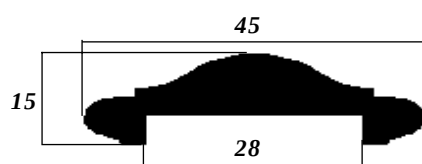
○ Délai 8 / 10 jours environ.

Autres dimensions en profilés U , T sous 8/10 jours environ.

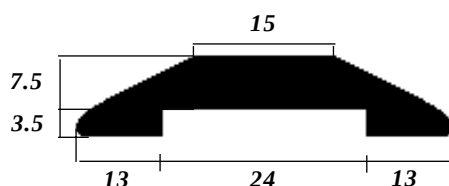
# Profils mains courantes



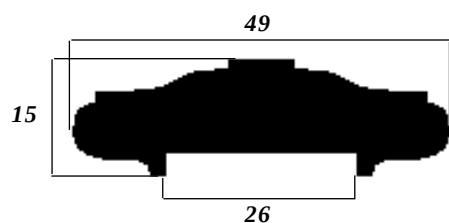
Réf. 13 2.960 kg/ml



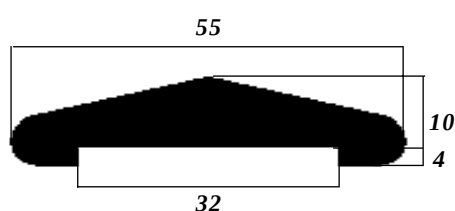
Réf. 15 3.062 kg/ml



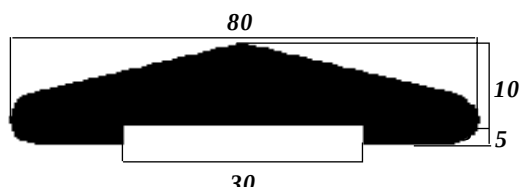
Réf. 585 3.000 kg/ml



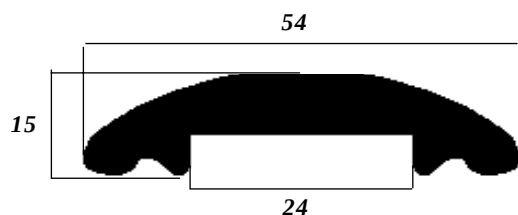
Réf. 584 3.654 kg/ml



Réf. 727 4.330 kg/ml

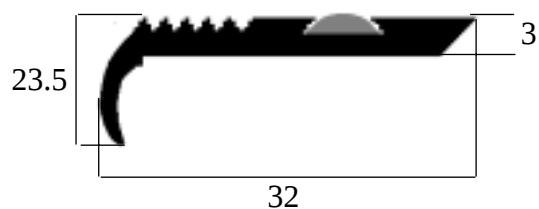


Réf. 1172 4.854 kg/ml

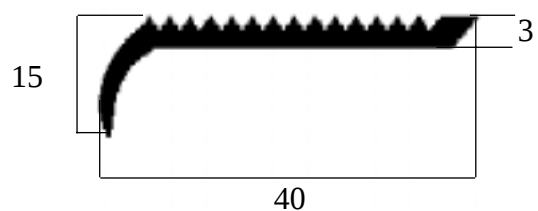


Réf. 1209 4.306 kg/ml

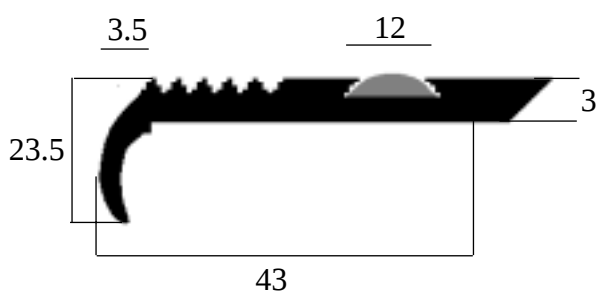
# Profils de sol



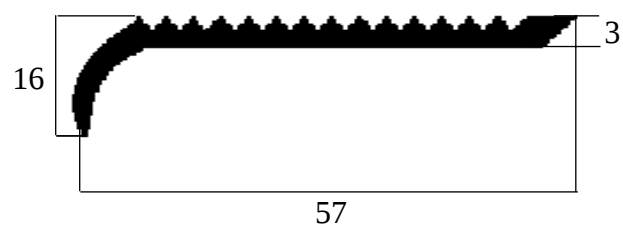
Réf. 22741 0.826 kg/ml



Réf. 375 0.826 kg/ml



Réf. 22714 1.126 kg/ml



Réf. 374 1.335 kg/ml

# Tubes Laiton

|  |      | CuZn39Pb3 | CuZn36 |
|-----------------------------------------------------------------------------------|------|-----------|--------|
| mm                                                                                | kg/m |           |        |
| 2 x 0.5                                                                           | 0.02 | ○         | ●      |
| 3 x 0.5                                                                           | 0.03 |           | ○      |
| 3.5 x 0.5                                                                         | 0.04 |           | ○      |
| 4 x 0.5                                                                           | 0.05 |           | ●      |
| x 1                                                                               | 0.08 |           | ●      |
| 5 x 0.5                                                                           | 0.06 |           | ○      |
| x 1                                                                               | 0.12 | ○         | ●      |
| x 1.5                                                                             | 0.15 |           | ○      |
| x 2                                                                               | 0.17 | ○         |        |
| 6 x 0.5                                                                           | 0.08 |           | ○      |
| x 1                                                                               | 0.14 | ○         | ●      |
| x 1.5                                                                             | 0.19 | ○         | ●      |
| x 2                                                                               | 0.22 | ●         |        |
| 7 x 0.75                                                                          | 0.13 |           | ●      |
| x 1                                                                               | 0.17 | ○         | ●      |
| x 1.5                                                                             | 0.23 |           | ●      |
| 8 x 0.5                                                                           | 0.11 |           | ●      |
| x 1                                                                               | 0.20 | ○         | ●      |
| x 1.5                                                                             | 0.27 | ○         | ○      |
| x 2                                                                               | 0.34 | ○         |        |
| x 2.5                                                                             | 0.39 | ○         |        |
| 9 x 0.5                                                                           | 0.12 |           | ○      |
| x 1                                                                               | 0.22 |           | ●      |
| x 1.5                                                                             | 0.32 | ○         |        |
| 10 x 0.5                                                                          | 0.14 |           | ○      |
| x 1                                                                               | 0.25 |           | ●      |
| x 1.5                                                                             | 0.36 |           | ○      |
| x 2                                                                               | 0.45 | ○         | ●      |
| x 2.5                                                                             | 0.53 | ○         |        |
| x 3                                                                               | 0.59 | ○         |        |
| 11 x 0.5                                                                          | 0.15 |           | ●      |
| x 1                                                                               | 0.28 | ○         | ●      |
| x 1.5                                                                             | 0.38 | ●         |        |
| x 2                                                                               | 0.51 | ○         |        |
| 12 x 0.5                                                                          | 0.16 |           | ●      |
| x 1                                                                               | 0.30 |           | ●      |
| x 1.5                                                                             | 0.44 | ○         | ●      |
| x 2                                                                               | 0.56 | ○         | ●      |
| x 2.5                                                                             | 0.67 | ○         |        |
| x 3                                                                               | 0.76 | ●         |        |
| 13 x 0.5                                                                          | 0.18 |           | ○      |
| x 1                                                                               | 0.34 |           | ●      |
| x 1.5                                                                             | 0.48 |           | ○      |
| x 2                                                                               | 0.62 | ○         | ●      |
| x 2.5                                                                             | 0.74 | ○         |        |
| x 3                                                                               | 0.84 | ○         |        |

|  |      | CuZn39Pb3 | CuZn36 |
|-----------------------------------------------------------------------------------|------|-----------|--------|
| mm                                                                                | kg/m |           |        |
| 14 x 0.5                                                                          | 0.19 |           | ●      |
| x 1                                                                               | 0.37 |           | ●      |
| x 1.5                                                                             | 0.53 |           | ○      |
| x 2                                                                               | 0.67 | ○         | ○      |
| x 2.5                                                                             | 0.81 | ○         |        |
| x 3                                                                               | 0.93 | ●         |        |
| 15 x 0.5                                                                          | 0.20 |           | ●      |
| x 1                                                                               | 0.39 | ○         | ○      |
| x 1.5                                                                             | 0.57 |           | ●      |
| x 2                                                                               | 0.73 | ○         | ●      |
| x 2.5                                                                             | 0.86 | ○         |        |
| x 3                                                                               | 1.01 | ○         |        |
| x 4                                                                               | 1.29 | ○         |        |
| 16 x 0.5                                                                          | 0.22 |           | ●      |
| x 1                                                                               | 0.39 | ○         | ●      |
| x 1.5                                                                             | 0.57 | ○         | ●      |
| x 2                                                                               | 0.79 | ○         | ○      |
| x 2.5                                                                             | 0.95 | ○         |        |
| x 3                                                                               | 1.09 | ○         |        |
| x 4                                                                               | 1.32 | ○         |        |
| 17 x 0.5                                                                          | 0.23 |           | ●      |
| x 1                                                                               | 0.45 |           | ●      |
| x 1.5                                                                             | 0.68 |           | ○      |
| x 2                                                                               | 0.84 | ●         |        |
| x 2.5                                                                             | 1.02 | ○         |        |
| x 3                                                                               | 1.18 | ○         |        |
| x 3.5                                                                             | 1.32 | ●         |        |
| 18 x 1                                                                            | 0.47 |           | ●      |
| x 1.5                                                                             | 0.69 |           | ●      |
| x 2                                                                               | 0.90 | ○         | ○      |
| x 2.5                                                                             | 1.09 | ○         |        |
| x 3                                                                               | 1.26 | ○         |        |
| x 4                                                                               | 1.57 | ○         |        |
| x 5                                                                               | 1.83 | ○         |        |
| 19 x 1                                                                            | 0.50 |           | ●      |
| x 1.5                                                                             | 0.77 |           | ○      |
| x 3.5                                                                             | 1.45 | ●         |        |
| 20 x 1                                                                            | 0.54 |           | ●      |
| x 1.5                                                                             | 0.78 | ○         | ○      |
| x 2                                                                               | 1.01 | ○         | ●      |
| x 2.5                                                                             | 1.23 | ○         |        |
| x 3                                                                               | 1.43 | ○         |        |
| x 4                                                                               | 1.79 | ○         |        |
| x 5                                                                               | 2.10 | ○         |        |
| x 6                                                                               | 2.36 | ○         |        |
| 21 x 3                                                                            | 1.51 | ●         |        |

|  |      | CuZn39Pb3 | CuZn36 |
|-------------------------------------------------------------------------------------|------|-----------|--------|
| mm                                                                                  | kg/m |           |        |
| 21 x 4                                                                              | 1.92 | ○         |        |
| 22 x 1                                                                              | 0.59 |           | ●      |
| x 1.5                                                                               | 0.86 |           | ○      |
| x 2                                                                                 | 1.12 | ○         |        |
| x 2.5                                                                               | 1.37 | ●         |        |
| x 3                                                                                 | 1.60 | ○         |        |
| x 3.5                                                                               | 1.82 | ●         |        |
| x 4                                                                                 | 2.02 | ○         |        |
| x 5                                                                                 | 2.38 | ●         |        |
| x 6                                                                                 | 2.69 | ○         |        |
| 23 x 1                                                                              | 0.62 |           | ○      |
| x 3                                                                                 | 1.68 | ○         |        |
| x 4                                                                                 | 2.03 | ●         |        |
| x 5                                                                                 | 2.41 | ●         |        |
| 24 x 1                                                                              | 0.64 |           | ●      |
| x 2                                                                                 | 1.23 | ○         | ○      |
| x 3                                                                                 | 1.77 | ○         |        |
| x 4                                                                                 | 2.24 | ○         |        |
| x 5                                                                                 | 2.79 | ○         |        |
| x 6                                                                                 | 3.17 | ○         |        |
| 25 x 1                                                                              | 0.67 |           | ●      |
| x 1.5                                                                               | 0.99 |           | ○      |
| x 2                                                                                 | 1.29 | ●         | ○      |
| x 2.5                                                                               | 1.58 | ○         |        |
| x 3                                                                                 | 1.85 | ○         |        |
| x 4                                                                                 | 2.36 | ○         |        |
| x 5                                                                                 | 2.80 | ○         |        |
| x 6                                                                                 | 3.20 | ○         |        |
| x 7.5                                                                               | 3.68 | ●         |        |
| 26 x 1                                                                              | 0.70 |           | ●      |
| x 1.5                                                                               | 0.99 | ●         | ○      |
| x 2                                                                                 | 1.35 | ○         |        |
| x 2.5                                                                               | 1.68 | ○         |        |
| x 3                                                                                 | 1.93 | ○         |        |
| x 4                                                                                 | 2.47 | ○         |        |
| x 5                                                                                 | 2.94 | ○         |        |
| x 6                                                                                 | 3.32 | ○         |        |
| 27 x 2                                                                              | 1.40 | ○         |        |
| x 3                                                                                 | 2.11 | ○         |        |
| x 4                                                                                 | 2.47 | ○         |        |
| x 5                                                                                 | 3.09 | ○         |        |
| x 6                                                                                 | 3.52 | ○         |        |
| 28 x 1                                                                              | 0.76 |           | ●      |
| x 1.5                                                                               | 1.11 |           | ●      |
| x 2                                                                                 | 1.46 | ○         | ●      |
| x 3                                                                                 | 2.15 | ○         |        |

● / Disponible  
○ / Délai : 8/10 jours

Nombreuses autres dimensions sous environ 10 jours,  
consultez-nous.

# Tubes Laiton

|  | mm   | kg/m | CuZn39Pb3 | CuZn36 |
|-----------------------------------------------------------------------------------|------|------|-----------|--------|
| 28 x 4                                                                            | 2.69 | ○    |           |        |
| x 5                                                                               | 3.22 | ○    |           |        |
| x 6                                                                               | 3.70 | ○    |           |        |
| x 8                                                                               | 4.48 | ○    |           |        |
| x 9                                                                               | 4.58 | ●    |           |        |
| 29 x 3                                                                            | 1.44 | ●    |           |        |
| x 4                                                                               | 2.94 | ○    |           |        |
| x 5                                                                               | 3.36 | ○    |           |        |
| 30 x 1                                                                            | 0.81 |      | ●         |        |
| x 1.5                                                                             | 1.20 |      | ○         |        |
| x 2                                                                               | 1.57 | ○    | ○         |        |
| x 2.5                                                                             | 1.93 | ●    |           |        |
| x 3                                                                               | 2.27 | ●    |           |        |
| x 4                                                                               | 2.92 | ○    |           |        |
| x 5                                                                               | 3.51 | ●    |           |        |
| x 6                                                                               | 4.04 | ○    |           |        |
| x 7                                                                               | 4.52 | ○    |           |        |
| x 8                                                                               | 4.99 | ○    |           |        |
| x 10                                                                              | 5.61 | ○    |           |        |
| 31 x 3                                                                            | 2.47 | ○    |           |        |
| 32 x 1                                                                            | 0.87 |      | ○         |        |
| x 1.5                                                                             | 1.34 |      | ○         |        |
| x 2                                                                               | 1.68 | ○    |           |        |
| x 3                                                                               | 2.44 | ○    |           |        |
| x 4                                                                               | 3.14 | ○    |           |        |
| x 5                                                                               | 3.79 | ○    |           |        |
| x 6                                                                               | 4.37 | ○    |           |        |
| x 8                                                                               | 4.92 | ○    |           |        |
| x 10                                                                              | 6.16 | ○    |           |        |
| 33 x 2                                                                            | 1.81 | ●    |           |        |
| x 3                                                                               | 2.52 | ●    |           |        |
| x 4                                                                               | 3.25 | ○    |           |        |
| x 5                                                                               | 3.94 | ○    |           |        |
| 34 x 1                                                                            | 0.92 |      | ○         |        |
| x 2                                                                               | 1.79 | ○    |           |        |
| x 3                                                                               | 2.61 | ○    |           |        |
| x 4                                                                               | 3.36 | ●    |           |        |
| x 6                                                                               | 4.47 | ●    |           |        |
| 35 x 1                                                                            | 0.96 |      | ○         |        |
| x 1.5                                                                             | 1.41 |      | ○         |        |
| x 2                                                                               | 1.85 | ○    |           |        |
| x 2.5                                                                             | 2.28 | ●    |           |        |
| x 3                                                                               | 2.69 | ●    |           |        |
| x 4                                                                               | 3.48 | ●    |           |        |
| x 5                                                                               | 4.21 | ●    |           |        |
| x 6                                                                               | 4.88 | ○    |           |        |

|  | mm    | kg/m | CuZn39Pb3 | CuZn36 |
|-----------------------------------------------------------------------------------|-------|------|-----------|--------|
| 35 x 8                                                                            | 6.06  |      | ○         |        |
| x 10                                                                              | 7.01  |      | ○         |        |
| x 12.5                                                                            | 8.50  |      | ○         |        |
| 36 x 1                                                                            | 1.03  |      |           | ●      |
| x 2                                                                               | 1.99  |      | ○         |        |
| x 2.5                                                                             | 2.35  |      | ○         |        |
| x 3                                                                               | 2.78  |      | ●         |        |
| x 4                                                                               | 3.75  |      | ●         |        |
| x 5                                                                               | 4.54  |      | ○         |        |
| x 6                                                                               | 5.11  |      | ○         |        |
| 37 x 1                                                                            | 1.01  |      |           | ○      |
| x 3                                                                               | 2.85  |      | ○         |        |
| x 4                                                                               | 3.71  |      | ○         |        |
| x 5                                                                               | 4.42  |      | ○         |        |
| x 10                                                                              | 7.57  |      | ○         |        |
| 38 x 1                                                                            | 1.04  |      |           | ○      |
| x 1.5                                                                             | 1.54  |      |           | ○      |
| x 2                                                                               | 2.02  |      | ○         |        |
| x 2.5                                                                             | 2.49  |      | ○         |        |
| x 3                                                                               | 2.94  |      | ○         |        |
| x 3.5                                                                             | 3.20  |      | ●         |        |
| x 5                                                                               | 4.63  |      | ○         |        |
| x 6                                                                               | 5.55  |      | ●         |        |
| x 7                                                                               | 6.09  |      | ○         |        |
| x 10                                                                              | 8.22  |      | ○         |        |
| 40 x 1                                                                            | 1.09  |      |           | ●      |
| x 1.5                                                                             | 1.62  |      |           | ●      |
| x 2                                                                               | 2.13  |      | ○         | ●      |
| x 2.5                                                                             | 2.63  |      | ○         |        |
| x 3                                                                               | 3.11  |      | ●         |        |
| x 4                                                                               | 4.04  |      | ○         |        |
| x 5                                                                               | 4.90  |      | ○         |        |
| x 6                                                                               | 5.72  |      | ○         |        |
| x 7                                                                               | 6.48  |      | ○         |        |
| x 8                                                                               | 7.18  |      | ●         |        |
| x 9                                                                               | 8.19  |      | ○         |        |
| x 10                                                                              | 8.81  |      | ○         |        |
| x 11                                                                              | 9.69  |      | ○         |        |
| x 13                                                                              | 11.45 |      | ○         |        |
| x 15                                                                              | 13.21 |      | ○         |        |
| 42 x 1                                                                            | 1.14  |      |           | ○      |
| x 1.5                                                                             | 1.71  |      |           | ○      |
| x 2                                                                               | 2.24  |      | ○         | ○      |
| x 2.5                                                                             | 2.77  |      | ○         |        |
| x 3                                                                               | 3.28  |      | ○         |        |
| x 4                                                                               | 4.26  |      | ○         |        |

|  | mm    | kg/m | CuZn39Pb3 | CuZn36 |
|-------------------------------------------------------------------------------------|-------|------|-----------|--------|
| 42 x 5                                                                              | 5.11  | ○    |           |        |
| x 6                                                                                 | 6.06  | ○    |           |        |
| x 7                                                                                 | 6.47  | ●    |           |        |
| x 9                                                                                 | 8.71  | ○    |           |        |
| x 10                                                                                | 9.39  | ○    |           |        |
| x 12                                                                                | 11.27 | ○    |           |        |
| 43 x 3                                                                              | 3.52  | ○    |           |        |
| x 4                                                                                 | 4.37  | ○    |           |        |
| x 5                                                                                 | 5.32  | ○    |           |        |
| x 6                                                                                 | 6.52  | ○    |           |        |
| x 7                                                                                 | 7.08  | ○    |           |        |
| x 9                                                                                 | 8.58  | ○    |           |        |
| 44 x 2                                                                              | 2.36  | ●    |           |        |
| x 4                                                                                 | 4.48  | ○    |           |        |
| x 6                                                                                 | 6.70  | ○    |           |        |
| 45 x 1                                                                              | 1.23  |      | ○         |        |
| x 1.5                                                                               | 1.83  |      | ○         |        |
| x 2                                                                                 | 2.41  | ○    | ●         |        |
| x 2.5                                                                               | 2.98  | ●    |           |        |
| x 3                                                                                 | 3.53  | ○    |           |        |
| x 4                                                                                 | 4.60  | ○    |           |        |
| x 5                                                                                 | 5.61  | ○    |           |        |
| x 6                                                                                 | 6.56  | ○    |           |        |
| x 7                                                                                 | 7.10  | ●    |           |        |
| x 8                                                                                 | 7.47  | ○    |           |        |
| x 10                                                                                | 9.82  | ○    |           |        |
| x 12                                                                                | 10.58 | ○    |           |        |
| 46 x 3                                                                              | 3.62  | ●    |           |        |
| x 5                                                                                 | 5.66  | ●    |           |        |
| x 6.5                                                                               | 6.85  | ●    |           |        |
| 48 x 1                                                                              | 1.31  |      | ○         |        |
| x 2                                                                                 | 2.69  | ○    | ●         |        |
| x 3                                                                                 | 3.79  | ○    |           |        |
| x 4                                                                                 | 4.94  | ○    |           |        |
| x 5                                                                                 | 6.02  | ○    |           |        |
| x 6                                                                                 | 7.39  | ○    |           |        |
| x 8                                                                                 | 8.98  | ○    |           |        |
| x 9                                                                                 | 9.81  | ○    |           |        |
| 50 x 1                                                                              | 1.38  |      | ○         |        |
| x 1.5                                                                               | 2.04  |      | ○         |        |
| x 2                                                                                 | 2.69  | ○    | ●         |        |
| x 2.5                                                                               | 3.33  | ●    |           |        |
| x 3                                                                                 | 3.95  | ●    |           |        |
| x 4                                                                                 | 5.16  | ○    |           |        |
| x 5                                                                                 | 6.31  | ●    |           |        |
| x 6                                                                                 | 7.40  | ○    |           |        |

● / Disponible  
○ / Délai : 8/10 jours

Nombreuses autres dimensions sous environ 10 jours,  
consultez-nous.

# Tubes Laiton

|  | mm    | kg/m | CuZn39Pb3 | CuZn36 |
|-----------------------------------------------------------------------------------|-------|------|-----------|--------|
| 50 x 7.5                                                                          | 8.51  | ●    |           |        |
| x 8                                                                               | 9.42  | ○    |           |        |
| x 10                                                                              | 11.21 | ●    |           |        |
| x 12.5                                                                            | 12.60 | ○    |           |        |
| x 15                                                                              | 14.72 | ○    |           |        |
| 52 x 1                                                                            | 1.43  |      | ○         |        |
| x 2                                                                               | 2.80  |      | ○         |        |
| x 3                                                                               | 4.12  | ○    |           |        |
| x 4                                                                               | 5.31  | ○    |           |        |
| x 5                                                                               | 6.89  | ○    |           |        |
| x 6                                                                               | 7.37  | ○    |           |        |
| x 10                                                                              | 11.16 | ●    |           |        |
| 54 x 5                                                                            | 6.87  | ○    |           |        |
| 55 x 2                                                                            | 2.96  | ○    |           |        |
| x 2.5                                                                             | 3.68  | ●    |           |        |
| x 3                                                                               | 4.37  | ○    |           |        |
| x 4                                                                               | 5.72  | ○    |           |        |
| x 5                                                                               | 7.01  | ○    |           |        |
| x 6                                                                               | 8.24  | ○    |           |        |
| x 8                                                                               | 10.54 | ●    |           |        |
| 55 x 10                                                                           | 12.62 | ○    |           |        |
| 56 x 3                                                                            | 4.46  | ○    |           |        |
| x 4                                                                               | 5.67  | ●    |           |        |
| x 5                                                                               | 7.48  | ○    |           |        |
| x 10                                                                              | 12.89 | ○    |           |        |
| 58 x 1                                                                            | 1.60  |      | ○         |        |
| x 1.5                                                                             | 2.43  | ○    |           |        |
| x 3                                                                               | 4.63  | ○    |           |        |
| x 4                                                                               | 6.05  | ○    |           |        |
| x 5                                                                               | 7.43  | ○    |           |        |
| 60 x 1                                                                            | 1.66  |      | ●         |        |
| x 1.5                                                                             | 2.46  |      | ○         |        |
| x 2                                                                               | 3.25  | ○    |           |        |
| x 2.5                                                                             | 4.03  | ○    | ○         |        |
| x 3                                                                               | 4.79  | ○    |           |        |
| x 4                                                                               | 6.28  | ○    |           |        |
| x 5                                                                               | 7.71  | ●    |           |        |
| x 6                                                                               | 9.08  | ○    |           |        |
| x 8                                                                               | 11.67 | ●    |           |        |
| x 10                                                                              | 14.02 | ●    |           |        |
| x 12                                                                              | 16.33 | ○    |           |        |
| x 15                                                                              | 18.92 | ●    |           |        |
| x 20                                                                              | 22.43 | ○    |           |        |
| 61 x 3                                                                            | 4.90  | ●    |           |        |
| 62 x 2.5                                                                          | 4.00  | ●    |           |        |

|  | mm    | kg/m | CuZn39Pb3 | CuZn36 |
|-----------------------------------------------------------------------------------|-------|------|-----------|--------|
| 62 x 6                                                                            | 9.42  | ○    |           |        |
| 64 x 2.5                                                                          | 4.11  | ●    |           |        |
| x 5                                                                               | 8.27  | ○    |           |        |
| 65 x 1                                                                            | 1.80  |      | ●         |        |
| x 1.5                                                                             | 2.67  |      | ○         |        |
| x 2.5                                                                             | 4.38  | ○    | ○         |        |
| x 3                                                                               | 5.22  | ○    |           |        |
| x 5                                                                               | 8.41  | ○    |           |        |
| x 8                                                                               | 12.79 | ○    |           |        |
| x 10                                                                              | 15.43 | ○    |           |        |
| x 15                                                                              | 21.26 | ○    |           |        |
| 66 x 3                                                                            | 5.30  | ○    |           |        |
| 68 x 1                                                                            | 1.87  |      | ○         |        |
| x 1.5                                                                             | 2.80  |      | ○         |        |
| x 5                                                                               | 9.25  | ○    |           |        |
| x 10                                                                              | 15.50 | ●    |           |        |
| 70 x 1                                                                            | 1.93  |      | ○         |        |
| x 1.5                                                                             | 2.88  |      | ○         |        |
| x 2                                                                               | 3.81  | ○    | ○         |        |
| x 3                                                                               | 5.63  | ○    |           |        |
| x 4                                                                               | 7.40  | ○    |           |        |
| x 5                                                                               | 9.20  | ○    |           |        |
| x 6                                                                               | 10.76 | ○    |           |        |
| x 7                                                                               | 12.36 | ●    |           |        |
| x 8                                                                               | 13.24 | ○    |           |        |
| x 10                                                                              | 16.82 | ○    |           |        |
| x 11                                                                              | 18.50 | ○    |           |        |
| x 12.5                                                                            | 20.15 | ○    |           |        |
| x 15                                                                              | 23.13 | ○    |           |        |
| x 20                                                                              | 28.04 | ○    |           |        |
| 72 x 3                                                                            | 6.03  | ○    |           |        |
| x 5                                                                               | 9.39  | ○    |           |        |
| x 6                                                                               | 11.10 | ●    |           |        |
| 74 x 2                                                                            | 4.04  |      | ○         |        |
| x 6                                                                               | 11.44 | ○    |           |        |
| 75 x 2.5                                                                          | 5.08  | ○    | ○         |        |
| x 3                                                                               | 6.06  | ○    |           |        |
| x 5                                                                               | 9.81  | ○    |           |        |
| x 6                                                                               | 11.61 | ○    |           |        |
| x 10                                                                              | 18.43 | ○    |           |        |
| x 12.5                                                                            | 20.86 | ○    |           |        |
| x 20                                                                              | 30.82 | ○    |           |        |
| 76 x 3                                                                            | 6.14  | ●    |           |        |
| x 5                                                                               | 9.65  | ●    |           |        |
| x 6                                                                               | 11.38 | ●    |           |        |

|  | mm    | kg/m | CuZn39Pb3 | CuZn36 |
|-------------------------------------------------------------------------------------|-------|------|-----------|--------|
| 80 x 1                                                                              | 2.22  |      |           | ○      |
| x 1.5                                                                               | 3.45  |      |           | ●      |
| x 2                                                                                 | 4.37  |      |           | ○      |
| x 2.5                                                                               | 5.43  | ○    |           | ○      |
| x 3                                                                                 | 6.48  | ○    |           |        |
| x 4                                                                                 | 8.53  | ○    |           |        |
| x 5                                                                                 | 10.51 | ●    |           |        |
| x 6                                                                                 | 12.45 | ○    |           |        |
| x 7                                                                                 | 15.00 | ○    |           |        |
| x 8                                                                                 | 16.15 | ○    |           |        |
| x 10                                                                                | 19.64 | ○    |           |        |
| x 12.5                                                                              | 22.54 | ○    |           |        |
| x 15                                                                                | 27.34 | ○    |           |        |
| x 20                                                                                | 33.65 | ●    |           |        |
| 82 x 1                                                                              | 2.16  |      |           | ●      |
| x 8                                                                                 | 16.36 | ○    |           |        |
| 85 x 2                                                                              | 4.66  |      |           | ○      |
| x 2.5                                                                               | 5.78  | ●    |           | ○      |
| x 5                                                                                 | 11.21 | ○    |           |        |
| x 7.5                                                                               | 16.30 | ○    |           |        |
| x 10                                                                                | 21.26 | ○    |           |        |
| x 12                                                                                | 23.90 | ○    |           |        |
| x 20                                                                                | 39.33 | ○    |           |        |
| 90 x 2                                                                              | 4.94  | ●    |           | ○      |
| x 2.5                                                                               | 6.13  | ○    |           |        |
| x 3                                                                                 | 7.32  | ○    |           |        |
| x 4                                                                                 | 9.64  | ○    |           |        |
| x 5                                                                                 | 11.91 | ●    |           |        |
| x 6                                                                                 | 14.29 | ○    |           |        |
| x 8                                                                                 | 18.40 | ○    |           |        |
| x 10                                                                                | 22.44 | ●    |           |        |
| x 15                                                                                | 31.89 | ○    |           |        |
| x 20                                                                                | 39.69 | ○    |           |        |
| 95 x 2.5                                                                            | 6.48  |      |           | ○      |
| x 5                                                                                 | 12.61 | ●    |           |        |
| x 7.5                                                                               | 17.52 | ●    |           |        |
| x 10                                                                                | 23.89 | ●    |           |        |
| x 15                                                                                | 35.83 | ○    |           |        |
| 96 x 3                                                                              | 7.82  | ○    |           |        |
| 100 x 2                                                                             | 5.50  | ○    |           |        |
| x 2.5                                                                               | 6.83  | ○    |           |        |
| x 3.5                                                                               | 9.17  | ●    |           |        |
| x 5                                                                                 | 13.31 | ●    |           |        |
| x 6                                                                                 | 15.81 | ○    |           |        |
| x 10                                                                                | 25.23 | ●    |           |        |

● / Disponible  
○ / Délai : 8/10 jours

Nombreuses autres dimensions sous environ 10 jours,  
consultez-nous.

# Tubes Laiton

|  | mm    | kg/m | CuZn39Pb3 | CuZn36 |
|-----------------------------------------------------------------------------------|-------|------|-----------|--------|
| 100 x 12                                                                          | 28.20 |      | ○         |        |
| x 15                                                                              | 35.75 |      | ○         |        |
| x 20                                                                              | 44.84 |      | ○         |        |
| x 30                                                                              | 75.69 |      | ○         |        |
| 102 x 5                                                                           | 12.95 |      | ○         |        |
| 104 x 2                                                                           | 5.45  |      | ○         |        |
| x 14.5                                                                            | 34.65 |      | ○         |        |
| 105 x 2.5                                                                         | 7.19  |      | ○         | ○      |
| x 3                                                                               | 6.84  |      | ○         |        |
| x 5                                                                               | 14.02 |      | ○         |        |
| x 25                                                                              | 53.40 |      | ○         |        |
| 106 x 2                                                                           | 5.56  |      | ○         |        |
| x 3                                                                               | 8.25  |      | ○         |        |
| 108 x 4                                                                           | 11.66 |      | ○         |        |
| x 5                                                                               | 13.75 |      | ○         |        |
| x 10                                                                              | 26.16 |      | ○         |        |
| x 16                                                                              | 39.29 |      | ○         |        |
| 110 x 2                                                                           | 5.77  |      | ○         |        |
| x 2.5                                                                             | 7.18  |      | ○         |        |
| x 3                                                                               | 8.57  |      | ○         |        |
| x 4                                                                               | 12.45 |      | ○         |        |
| x 5                                                                               | 14.72 |      | ●         |        |
| x 6                                                                               | 17.45 |      | ○         |        |
| x 10                                                                              | 28.35 |      | ○         |        |
| x 13                                                                              | 33.66 |      | ○         |        |
| x 20                                                                              | 48.6  |      | ○         |        |
| 111 x 3                                                                           | 8.65  |      | ○         |        |
| x 18                                                                              | 56.00 |      | ○         |        |
| 114 x 7                                                                           | 24.62 |      | ○         |        |
| 115 x 2.5                                                                         | 7.89  |      | ○         |        |
| x 3                                                                               | 8.97  |      | ○         |        |
| x 5                                                                               | 16.15 |      | ○         |        |
| x 6                                                                               | 17.46 |      | ○         |        |
| x 10                                                                              | 30.08 |      | ○         |        |
| x 15                                                                              | 40.04 |      | ○         |        |
| x 25                                                                              | 61.89 |      | ○         |        |
| x 30                                                                              | 68.10 |      | ○         |        |
| 117 x 7                                                                           | 20.55 |      | ○         |        |
| 120 x 2                                                                           | 8.24  |      | ●         | ○      |
| x 2.5                                                                             | 7.84  |      | ○         |        |
| x 5                                                                               | 16.13 |      | ○         |        |
| x 6                                                                               | 18.26 |      | ○         | ○      |

|  | mm    | kg/m | CuZn39Pb3 | CuZn36 |
|-----------------------------------------------------------------------------------|-------|------|-----------|--------|
| 120 x 10                                                                          | 30.81 | ●    |           |        |
| x 15                                                                              | 44.50 | ○    |           |        |
| x 20                                                                              | 56.70 | ○    |           |        |
| 122 x 4                                                                           | 12.60 | ○    |           |        |
| x 5                                                                               | 15.62 | ○    |           |        |
| 123 x 5                                                                           | 15.75 | ○    |           |        |
| 124 x 3                                                                           | 9.69  | ○    |           |        |
| 125 x 2.5                                                                         | 8.75  | ○    |           |        |
| x 3                                                                               | 9.77  | ○    |           |        |
| x 5                                                                               | 17.61 | ○    |           |        |
| x 10                                                                              | 31.50 | ○    |           |        |
| x 20                                                                              | 48.23 | ○    |           |        |
| x 25                                                                              | 56.10 | ○    |           |        |
| 126 x 13                                                                          | 39.20 | ○    |           |        |
| 130 x 3                                                                           | 10.17 | ○    |           |        |
| x 5                                                                               | 18.35 | ●    |           |        |
| x 7                                                                               | 23.00 |      | ○         |        |
| x 8                                                                               | 26.00 | ○    |           |        |
| x 10                                                                              | 34.02 | ○    |           |        |
| x 20                                                                              | 61.88 | ○    |           |        |
| x 25                                                                              | 73.78 | ○    |           |        |
| x 30                                                                              | 80.10 | ○    |           |        |
| 132 x 3                                                                           | 10.33 | ○    |           |        |
| x 5                                                                               | 16.95 | ○    |           |        |
| x 6                                                                               | 20.18 | ○    |           |        |
| 133 x 4                                                                           | 13.78 | ○    |           |        |
| x 6                                                                               | 20.35 | ○    |           |        |
| 135 x 5                                                                           | 17.35 | ●    |           |        |
| x 12.5                                                                            | 41.00 | ●    |           |        |
| 137 x 6                                                                           | 21.00 | ○    |           |        |
| 140 x 3                                                                           | 10.98 | ○    |           |        |
| x 5                                                                               | 19.81 | ●    |           |        |
| x 7                                                                               | 27.00 |      | ○         |        |
| x 7.5                                                                             | 26.53 | ○    |           |        |
| x 10                                                                              | 36.75 | ●    |           |        |
| x 20                                                                              | 64.27 | ○    |           |        |
| 142 x 8.5                                                                         | 30.29 | ○    |           |        |
| 145 x 3                                                                           | 11.37 | ○    |           |        |
| 146 x 2                                                                           | 7.69  |      | ○         |        |
| 150 x 2                                                                           | 7.91  |      | ○         |        |
| x 5                                                                               | 20.33 | ●    |           |        |
| x 7.5                                                                             | 28.00 |      | ○         |        |

|  | mm    | kg/m | CuZn39Pb3 | CuZn36 |
|-------------------------------------------------------------------------------------|-------|------|-----------|--------|
| 150 x 10                                                                            | 39.69 | ●    |           |        |
| x 20                                                                                | 73.60 | ○    |           |        |
| 153 x 4                                                                             | 15.92 |      | ○         |        |
| 154 x 2                                                                             | 8.12  |      | ○         |        |
| 155 x 10                                                                            | 38.71 | ○    |           |        |
| 160 x 2                                                                             | 8.44  |      | ○         |        |
| x 5                                                                                 | 21.73 | ○    |           |        |
| x 7.5                                                                               | 31    | ●    |           |        |
| x 10                                                                                | 44.03 | ○    |           |        |
| 170 x 3                                                                             | 13.38 | ○    | ○         |        |
| 170 x 5                                                                             | 22.10 |      | ○         |        |
| x 10                                                                                | 43.00 | ○    |           |        |
| x 20                                                                                | 84.00 | ○    |           |        |
| 175 x 3.5                                                                           | 16.03 | ○    |           |        |
| x 5                                                                                 | 22.70 | ○    | ○         |        |
| 180 x 5                                                                             | 23.55 | ●    |           |        |
| x 10                                                                                | 45.38 | ○    |           |        |
| x 20                                                                                | 85.41 | ○    |           |        |
| 185 x 5                                                                             | 24.03 |      | ○         |        |
| 190 x 5                                                                             | 24.70 |      | ○         |        |
| x 10                                                                                | 48.01 |      | ○         |        |
| 200 x 3                                                                             | 15.79 |      | ○         |        |
| x 5                                                                                 | 25.78 |      | ○         |        |
| x 10                                                                                | 50.71 |      | ○         |        |
| 206 x 3                                                                             | 16.56 |      | ○         |        |
| 210 x 5                                                                             | 27.36 |      | ○         |        |
| 240 x 5                                                                             | 31.40 |      | ○         |        |
| 260 x 5                                                                             | 34.10 |      | ○         |        |
| 262 x 8                                                                             | 54.30 |      | ○         |        |
| 310 x 5                                                                             | 40.72 |      | ○         |        |
| 316 x 9                                                                             | 73.75 |      | ○         |        |

● / Disponible  
○ / Délai : 8/10 jours

Nombreuses autres dimensions sous environ 10 jours,  
consultez-nous.

# Tubes carrés Laiton



| Dim.             | kg / m | UZ36 |
|------------------|--------|------|
| 6 x 6 x 1 mm     | 0.172  | ●    |
| 8 x 8 x 1 mm     | 0.238  | ●    |
| 10 x 10 x 1 mm   | 0.260  | ●    |
| 12 x 12 x 1 mm   | 0.320  | ○    |
| 14 x 14 x 1 mm   | 0.380  | ○    |
| 15 x 15 x 1.5 mm | 0.689  | ○    |
| 15 x 15 x 2 mm   | 0.884  | ●    |
| 16 x 16 x 1 mm   | 0.450  | ○    |
| 16 x 16 x 1.5 mm | 0.792  | ○    |
| 20 x 20 x 1.5 mm | 0.989  | ○    |
| 20 x 20 x 2 mm   | 1.224  | ●    |
| 22 x 22 x 1 mm   | 0.730  | ○    |
| 22 x 22 x 1.5 mm | 1.120  | ○    |

| Dim.             | kg / m | UZ36 |
|------------------|--------|------|
| 25 x 25 x 1.5 mm | 1.257  | ○    |
| 25 x 25 x 2 mm   | 1.564  | ○    |
| 30 x 30 x 1 mm   | 1.000  | ○    |
| 30 x 30 x 1.5 mm | 1.526  | ○    |
| 30 x 30 x 2 mm   | 1.904  | ●    |
| 35 x 35 x 1.5 mm | 1.795  | ○    |
| 40 x 40 x 1.5 mm | 2.110  | ○    |
| 40 x 40 x 2 mm   | 2.615  | ○    |
| 40 x 40 x 3 mm   | 3.774  | ○    |
| 45 x 45 x 1.5 mm | 2.218  | ○    |
| 50 x 50 x 1.5 mm | 2.473  | ○    |
| 50 x 50 x 2 mm   | 3.302  | ○    |
| 60 x 60 x 2 mm   | 3.990  | ○    |

# Tubes rectangulaires



| Dim.             | kg / m | UZ36 |
|------------------|--------|------|
| 10 x 5 x 1 mm    | 0.225  | ○    |
| 10 x 6 x 1 mm    | 0.241  | ○    |
| 10 x 7 x 1 mm    | 0.260  | ○    |
| 12 x 6 x 1 mm    | 0.275  | ○    |
| 12 x 8 x 1 mm    | 0.310  | ○    |
| 15 x 10 x 2 mm   | 0.714  | ○    |
| 16 x 8 x 1 mm    | 0.380  | ○    |
| 20 x 8 x 1 mm    | 0.442  | ○    |
| 20 x 10 x 1 mm   | 0.490  | ○    |
| 20 x 10 x 1.5 mm | 0.700  | ○    |
| 20 x 10 x 2 mm   | 0.884  | ○    |
| 25 x 10 x 1 mm   | 0.561  | ○    |
| 25 x 15 x 1 mm   | 0.646  | ○    |
| 25 x 15 x 1.5 mm | 0.960  | ○    |
| 30 x 10 x 1 mm   | 0.655  | ○    |

| Dim.             | kg / m | UZ36 |
|------------------|--------|------|
| 30 x 10 x 1.5 mm | 0.960  | ○    |
| 30 x 15 x 1 mm   | 0.731  | ○    |
| 30 x 15 x 1.5 mm | 1.090  | ○    |
| 30 x 20 x 2 mm   | 1.564  | ○    |
| 35 x 15 x 1.5 mm | 1.215  | ○    |
| 35 x 20 x 1.5 mm | 1.342  | ○    |
| 40 x 10 x 1 mm   | 0.816  | ○    |
| 40 x 15 x 1 mm   | 0.901  | ○    |
| 40 x 15 x 2 mm   | 1.734  | ○    |
| 40 x 20 x 1.5 mm | 1.480  | ○    |
| 40 x 20 x 2 mm   | 1.904  | ●    |
| 50 x 20 x 1.5 mm | 1.730  | ○    |
| 50 x 25 x 1.5 mm | 1.860  | ○    |
| 60 x 30 x 1.5    | 2.250  | ○    |
| 80 x 40 x 1.5 mm | 3.100  | ○    |

● Disponible

○ Délai 8 / 10 jours environ.

Autres dimensions sous 8/10 jours environ. Consultez-nous.

# Données Techniques

| CORRESPONDANCES | ALLIAGES  |               |
|-----------------|-----------|---------------|
| AFNOR           | UZ 36     | UZ 39 PB 3    |
| DIN             | CU ZN 36  | CU ZN 39 PB 3 |
| ASTM            | 272 / 274 | 360           |
| AISI            | C 27000   | B 124         |
| WERKSTOFF       | 2.0321    | 2.0401        |

| SOUDABILITEE                                 |        |              |
|----------------------------------------------|--------|--------------|
| Alliage                                      | U Z 36 | U Z 39 P B 3 |
| Brasage tendre<br>(à l'étain)                | E      | E            |
| Brasage fort<br>(à l'argent)                 | E      | B            |
| Soudage<br>Oxyacétylénique                   | B      | N            |
| Soudage à l'arc<br>avec électrode de carbone | M      | N            |
| Soudage à l'arc<br>sous gaz protecteur       | M      | N            |
| Soudage à l'arc<br>avec électrodes enrobées  | N      | N            |
| Soudage<br>par points                        | B      | N            |
| Soudage à la molette                         | N      | N            |
| Soudage<br>bout à bout                       | B      | M            |

E = Excellente

B = Bonne

M = Moyenne

N = Procédé non recommandé.

*Ces informations sont données à titre purement indicatif et ne constituent en aucun cas des données contractuelles.*

# LE BRONZE

# Tôles Bronze

| Epaisseur | Formats                  | CUSN6     |       | UA9NFE<br>1000 x 2000 |       | CUPRO NICKEL<br>90 / 10<br>dim.1000 x 2000 |       |
|-----------|--------------------------|-----------|-------|-----------------------|-------|--------------------------------------------|-------|
|           |                          | kg / Tôle | Délai | kg / Tôle             | Délai | kg / Tôle                                  | Délai |
| 0.05 mm   | Rouleau en largeur 90 mm |           | ●     |                       |       |                                            |       |
| 0.1 mm    | 300 x 2000 mm            | 0.6       | ●     |                       |       |                                            |       |
| 0.2 mm    | 300 x 2000 mm            | 1.1       | ○     |                       |       |                                            |       |
| 0.3 mm    | 300 x 2000 mm            | 1.6       | ●     |                       |       |                                            |       |
| 0.4 mm    | 300 x 2000 mm            | 2.2       | ●     |                       |       |                                            |       |
| 0.5 mm    | 300 x 2000 mm            | 2.7       | ●     |                       |       |                                            |       |
| 0.6 mm    | 300 x 2000 mm            | 3.2       | ●     |                       |       |                                            |       |
| 0.8 mm    | 300 x 2000 mm            | 4.3       | ●     |                       |       |                                            |       |
| 1 mm      | 300 x 2000 mm            | 5.3       | ●     |                       |       |                                            |       |
| 1.2 mm    | 300 x 2000 mm            | 6.4       | ●     |                       |       |                                            |       |
| 1.5 mm    | 300 x 2000 mm            | 8         | ●     |                       |       | 27                                         | ○     |
| 2 mm      | 300 x 2000 mm            | 10.6      | ●     | 30                    | ○     | 36                                         | ○     |
| 2.5 mm    | 300 x 2000 mm            | 13.2      | ●     |                       |       |                                            |       |
| 3 mm      | 300 x 2000 mm            | 15.9      | ●     | 45                    | ○     | 54                                         | ○     |
| 4 mm      | 600 x 2000 mm            | 42.3      | ●     | 60                    | ○     | 72                                         | ○     |
| 5 mm      | 600 x 2000 mm            | 52.9      | ●     | 75                    | ○     | 90                                         | ○     |
| 6 mm      | 600 x 2000 mm            | 63.4      | ●     | 90                    | ○     | 108                                        | ○     |
| 8 mm      | 600 x 2000 mm            | 85        | ●     | 120                   | ○     | 144                                        | ○     |
| 10 mm     | 600 x 2000 mm            | 106       | ●     | 150                   | ○     | 180                                        | ○     |
| 12 mm     | 600 x 2000 mm            | 127       | ●     | 180                   | ○     | 216                                        | ○     |
| 15 mm     | 300 x 2000 mm            | 80        | ○     |                       |       | 267                                        | ○     |
| 20 mm     | 300 x 2000 mm            | 106       | ○     |                       |       |                                            |       |

○ / Disponible.

● / Délai : 8/10 jours.

CUSN6 : De recuit à 4/4 dur.

Découpes sur mesure dans les tôles CUSN6. Largeur mini: 70 mm

Epaisseur mini: 2 mm

POSSIBILITES: Tôles en bronze au Béryllium, sous quelques jours.

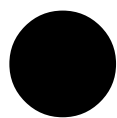
# Hexagones Bronze



| Hexagones | UE9P/CUSN8<br>étiré | UA10N/UA9NFE<br>étiré | UZ40AL2MN2<br>étiré |
|-----------|---------------------|-----------------------|---------------------|
| H 8 mm    | ○                   |                       |                     |
| H 10 mm   | ●                   | ○                     |                     |
| H 12 mm   |                     | ○                     |                     |
| H 13 mm   |                     | ○                     |                     |
| H 14 mm   | ●                   | ○                     | ○                   |
| H 17 mm   | ○                   | ○                     | ○                   |
| H 19 mm   | ●                   | ●                     | ○                   |
| H 20 mm   |                     | ●                     |                     |
| H 22 mm   | ○                   | ○                     | ○                   |
| H 24 mm   | ●                   | ●                     | ●                   |
| H 27 mm   | ○                   | ●                     | ○                   |
| H 28 mm   | ●                   | ●                     |                     |
| H 30 mm   | ○                   | ●                     | ○                   |
| H 32 mm   | ●                   | ●                     | ○                   |
| H 36 mm   | ○                   | ●                     | ○                   |
| H 40 mm   |                     | ●                     |                     |
| H 41 mm   | ○                   | ○                     | ○                   |
| H 46 mm   | ○                   | ●                     | ○                   |
| H 50 mm   | ●                   | ○                     | ○                   |
| H 55 mm   | ○                   | ○                     | ○                   |
| H 60 mm   |                     | ○                     | ○                   |
| H 65 mm   |                     | ○                     |                     |
| H 70 mm   |                     | ○                     |                     |

● / Disponible.

○ / Délai 8/10 jours.



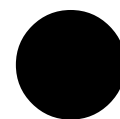
# Ronds Bronze

| Dim.         | UE 7 | UE 12 | UPB10E10<br>à UPB20E20 | UE9P | UA10N | UZ19A6 | UZ23A4<br>UZ40AL2<br>MN2 |
|--------------|------|-------|------------------------|------|-------|--------|--------------------------|
| Diam. 3.5 mm |      |       |                        | ●    |       |        |                          |
| Diam. 4 mm   |      |       |                        | ●    |       |        |                          |
| Diam. 5 mm   |      |       |                        | ●    |       |        |                          |
| Diam. 6 mm   |      |       |                        | ●    |       |        |                          |
| Diam. 7 mm   |      |       |                        | ●    |       |        |                          |
| Diam. 8 mm   |      |       |                        | ●    | ○     |        |                          |
| Diam. 10 mm  |      |       |                        | ●    | ●     |        | ●                        |
| Diam. 12 mm  |      |       | ○                      | ●    | ○     |        |                          |
| Diam. 13 mm  | ●    | ●     |                        | ●    | ○     |        |                          |
| Diam. 14 mm  |      |       |                        | ○    | ●     |        |                          |
| Diam. 15 mm  |      |       |                        | ●    | ●     |        | ○                        |
| Diam. 16 mm  | ●    | ●     | ●                      | ●    | ●     |        |                          |
| Diam. 17 mm  |      |       |                        | ●    | ○     |        |                          |
| Diam. 20 mm  |      |       |                        | ●    | ●     |        | ●                        |
| Diam. 22 mm  | ●    | ●     | ●                      | ●    | ○     |        |                          |
| Diam. 25 mm  |      |       |                        | ●    | ●     |        | ●                        |
| Diam. 26 mm  | ●    | ●     | ●                      | ●    | ○     |        |                          |
| Diam. 28 mm  |      |       |                        | ●    | ○     |        |                          |
| Diam. 30 mm  |      |       |                        | ●    | ●     | ○      | ●                        |
| Diam. 32 mm  | ●    | ●     | ●                      | ○    | ○     |        |                          |
| Diam. 35 mm  |      |       |                        | ●    | ●     |        |                          |
| Diam. 36 mm  | ●    | ●     | ●                      | ○    | ○     | ○      | ●                        |
| Diam. 38 mm  |      |       |                        | ●    | ○     |        | ●                        |
| Diam. 40 mm  |      |       |                        | ●    | ●     | ○      | ●                        |
| Diam. 42 mm  | ●    | ●     | ●                      | ○    | ○     |        | ●                        |
| Diam. 45 mm  |      |       |                        | ●    | ●     | ○      |                          |
| Diam. 46 mm  | ●    | ●     | ○                      |      | ○     |        | ●                        |
| Diam. 50 mm  |      |       |                        | ●    | ●     | ●      | ●                        |
| Diam. 52 mm  | ●    | ●     | ●                      |      | ○     |        |                          |
| Diam. 55 mm  |      |       |                        | ●    | ●     |        | ●                        |
| Diam. 56 mm  | ●    | ●     | ○                      |      | ○     |        |                          |
| Diam. 60 mm  |      |       |                        | ●    | ●     | ○      | ●                        |
| Diam. 62 mm  | ●    | ●     | ○                      |      |       |        |                          |

- Disponible
- 8/10 jours environ.

POSSIBILITES: Ronds en bronze au Béryllium,  
Ronds en CUPRO-NICKEL 90/10  
sous quelques jours.

# Ronds Bronze

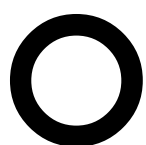


| Dim.           | UE 7    | UE 12 | UPB10E10<br>à UPB20E20 | UE9P | UA10N | UZ19A6 | UZ23A4<br>UZ40AL2<br>MN2 |
|----------------|---------|-------|------------------------|------|-------|--------|--------------------------|
| Diam. 65 mm    |         |       |                        | ●    | ●     | ○      | ●                        |
| Diam. 67 mm    | ●       | ●     | ○                      |      |       |        |                          |
| Diam. 70 mm    |         |       |                        | ●    | ●     | ○      | ●                        |
| Diam. 72 mm    | ●       | ●     | ●                      |      | ○     |        |                          |
| Diam. 75 mm    |         |       |                        | ○    | ○     | ●      | ○                        |
| Diam. 77 mm    | ●       | ●     | ○                      |      | ○     |        |                          |
| Diam. 80 mm    |         |       |                        | ●    | ●     | ●      | ●                        |
| Diam. 82 mm    | ●       | ●     | ●                      |      | ○     |        |                          |
| Diam. 87 mm    | ●       | ●     | ●                      |      | ○     |        |                          |
| Diam. 90 mm    |         |       |                        | ●    | ●     | ●      | ●                        |
| Diam. 92 mm    | ●       | ●     | ●                      |      | ●     |        |                          |
| Diam. 100 mm   |         |       |                        | ●    | ●     |        |                          |
| Diam. 102 mm   | ●       | ●     | ●                      |      |       | ○      | ●                        |
| Diam. 110 mm   |         |       |                        | ●    |       |        |                          |
| Diam. 112 mm   | ●       | ●     | ●                      |      | ●     | ○      | ○                        |
| Diam. 120 mm   |         |       |                        | ●    | ●     | ○      |                          |
| Diam. 122 mm   | ●       | ●     | ●                      |      | ●     | ○      | ●                        |
| Diam. 132 mm   | ●       | ●     | ●                      | ○    | ●     | ○      | ●                        |
| Diam. 142 mm   | ●       | ●     | ○                      | ○    | ●     | ○      | ○                        |
| Diam. 150 mm   |         |       |                        | ○    |       |        |                          |
| Diam. 152 mm   | ●       | ●     | ●                      | ○    | ●     | ○      | ○                        |
| Diam. 162 mm   | ●       | ●     | ○                      | ○    | ●     | ○      | ●                        |
| Diam. 172 mm   | ●       | ●     |                        |      | ●     |        |                          |
| Diam. 182 mm   | ●       | ●     | ○                      | ○    | ●     | ○      | ○                        |
| Diam. 202 mm   | ●       | ●     | ○                      | ○    | ●     | ○      | ●                        |
| Diam. 222 mm   | ●       | ●     |                        |      | ●     |        |                          |
| Diam. 232 mm   | ●       | ●     |                        |      |       |        |                          |
| Diam. 252 mm   | ○       | ●     | ○                      | ○    | ●     |        | ●                        |
| Diam. 262 mm   | ●       | ●     |                        |      |       |        |                          |
| Diam. 282 mm   | ○       | ○     |                        |      | ○     |        |                          |
| Diam. 300 mm   | ○       | ○     |                        |      | ●     |        |                          |
| Diam. 320 et + | S/Devis |       |                        |      |       |        |                          |

- Disponible
- 8/10 jours environ.

POSSIBILITES: Ronds en bronze au Béryllium  
Ronds en CUPRO-NICKEL 90/10  
sous quelques jours.

Nombreux autres diamètres sous 8/10 jours. Consultez-nous



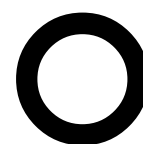
# Creux Bronze

| Diamètres      | UE7 | UE12 | CUSNPB-<br>10 à 20 % | UE9P<br>Etiré | UZ23A4 +<br>UZ40AL2 | UA10N<br>Etiré/Filé |
|----------------|-----|------|----------------------|---------------|---------------------|---------------------|
| 14.3 x 9.6 mm  |     |      |                      | ●             |                     |                     |
| 18.3 x 9.2 mm  |     |      |                      | ●             |                     |                     |
| 20.3 x 13.2 mm |     |      |                      | ●             |                     |                     |
| 22.3 x 13.2 mm |     |      |                      | ●             |                     |                     |
| 22.3 x 15.3 mm |     |      |                      | ●             |                     |                     |
| 22.3 x 17.2 mm |     |      |                      | ●             |                     |                     |
| 27 x 13 mm     |     |      | ●                    |               |                     |                     |
| 31 x 14 mm     | ○   | ○    | ○                    |               |                     |                     |
| 31 x 19 mm     | ○   | ○    |                      |               | ○                   |                     |
| 31 x 23 mm     |     |      |                      | ●             |                     |                     |
| 32.3 x 20.8 mm |     |      |                      | ●             |                     |                     |
| 32.4 x 25.2 mm |     |      |                      | ●             |                     |                     |
| 34.3 x 27.4 mm |     |      |                      | ●             |                     |                     |
| 34.6 x 29.8 mm |     |      |                      | ●             |                     |                     |
| 36.3 x 24.8 mm |     |      |                      | ●             |                     |                     |
| 36 x 14 mm     | ○   | ○    |                      |               |                     |                     |
| 36 x 19 mm     | ○   | ○    |                      |               |                     |                     |
| 41 x 19 mm     | ○   | ○    | ○                    |               | ○                   |                     |
| 41 x 24 mm     | ○   | ○    | ○                    |               | ○                   | ○                   |
| 41 x 29 mm     | ○   | ○    |                      |               | ○                   | ○                   |
| 46 x 19 mm     | ○   | ○    | ○                    |               |                     |                     |
| 46 x 24 mm     | ○   | ○    | ○                    |               | ○                   | ○                   |
| 46 x 29 mm     | ○   | ○    |                      |               | ○                   | ○                   |
| 46 x 34 mm     | ○   | ○    | ●                    | ○             | ○                   |                     |
| 51 x 19 mm     | ○   | ○    | ○                    |               |                     | ○                   |
| 51 x 24 mm     | ○   | ○    |                      |               |                     | ○                   |
| 51 x 29 mm     | ○   | ○    | ○                    |               | ○                   | ○                   |
| 51 x 34 mm     | ○   | ○    |                      |               |                     |                     |
| 51 x 39 mm     | ○   | ●    | ●                    |               | ○                   | ○                   |

● Dispo.  
○ Délai 10 à 12 jours environ.

P.S. Nombreux autres diamètres  
sous délai rapide. Consultez-nous.

# Creux Bronze

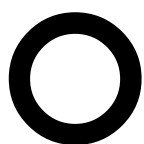


| Diamètres  | UE7 | UE12 | CUSNPB<br>10 à 20 % | UE9P<br>Etiré | UZ23A4 +<br>UZ40AL2 | UA10N<br>Etiré/Filé |
|------------|-----|------|---------------------|---------------|---------------------|---------------------|
| 56 x 19 mm | ○   | ○    |                     |               |                     |                     |
| 56 x 24 mm | ○   | ●    |                     |               |                     |                     |
| 56 x 29 mm | ○   | ○    |                     |               |                     | □                   |
| 56 x 34 mm | ○   | ○    |                     | ○             |                     |                     |
| 56 x 39 mm | ○   | ○    |                     |               |                     |                     |
| 56 x 44 mm | ○   | ○    | ●                   |               |                     |                     |
| 61 x 19 mm | ○   | ○    |                     |               |                     |                     |
| 61 x 24 mm | ○   | ●    | ○                   | ○             |                     | ○                   |
| 61 x 29 mm | ○   | ●    | ○                   |               | ○                   | ○                   |
| 61 x 34 mm | ○   | ○    |                     |               |                     |                     |
| 61 x 39 mm | ○   | ●    | ○                   |               | ○                   | ○                   |
| 61 x 44 mm | ○   | ○    |                     |               |                     | ○                   |
| 61 x 49 mm | ○   | ○    | ○                   |               | ○                   | ●                   |
| 66 x 29 mm | ○   | ○    |                     |               |                     | ○                   |
| 66 x 34 mm | ○   | ○    | ○                   |               |                     |                     |
| 66 x 39 mm | ○   | ●    |                     |               | ○                   | ○                   |
| 66 x 44 mm | ○   | ○    | ○                   |               |                     | ○                   |
| 72 x 28 mm | ○   | ○    | ○                   |               |                     | ○                   |
| 72 x 38 mm | ○   | ○    | ○                   |               |                     | ○                   |
| 72 x 48 mm | ○   | ●    |                     |               | ○                   | ○                   |
| 72 x 53 mm | ○   |      |                     |               |                     | ○                   |
| 77 x 38 mm | ○   | ○    |                     | ○             |                     |                     |
| 77 x 43 mm | ○   | ●    |                     |               |                     | ●                   |
| 77 x 48 mm | ○   | ○    | ○                   |               |                     | ○                   |
| 77 x 53 mm | ○   |      | ○                   |               |                     | ○                   |
| 77 x 58 mm | ○   | ○    |                     |               | ○                   | ○                   |
| 82 x 28 mm | ○   | ●    | ○                   |               |                     |                     |
| 82 x 38 mm | ○   | ○    | ○                   |               |                     | ○                   |
| 82 x 48 mm | ○   | ●    | ○                   |               |                     | ○                   |
| 82 x 53 mm | ○   | ●    |                     |               |                     |                     |

● Dispo.

○ Délai 10 à 12 jours environ.

P.S. Nombreux autres diamètres  
sous délai rapide. Consultez-nous.



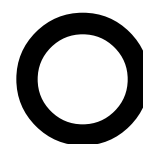
# Creux Bronze

| Diamètres   | UE7 | UE12 | CUSNPB<br>10 à 20 % | UE9P<br>Etiré | UZ23A4 +<br>UZ40AL2 | UA10N<br>Etiré/Filé |
|-------------|-----|------|---------------------|---------------|---------------------|---------------------|
| 82 x 58 mm  | ○   | ●    | ○                   |               |                     | □                   |
| 82 x 63 mm  | ○   | ○    | ○                   | ○             |                     |                     |
| 82 x 68 mm  | ○   | ○    | ●                   |               | ○                   |                     |
| 87 x 38 mm  | ○   | ○    | ○                   |               |                     | ○                   |
| 87 x 48 mm  | ○   | ●    |                     |               |                     | ○                   |
| 87 x 58 mm  | ○   | ○    | ●                   |               |                     | ○                   |
| 92 x 28 mm  | ○   | ○    | ○                   |               |                     |                     |
| 92 x 38 mm  | ○   | ○    | ○                   |               |                     | ○                   |
| 92 x 48 mm  | ○   | ●    |                     |               | ○                   | ○                   |
| 92 x 58 mm  | ○   | ○    |                     | ○             |                     | ○                   |
| 92 x 63 mm  | ○   | ○    | ●                   |               |                     |                     |
| 92 x 68 mm  | ○   | ○    | ○                   |               |                     | ○                   |
| 92 x 78 mm  | ○   | ○    | ○                   |               | ○                   | ○                   |
| 97 x 68 mm  | ○   | ○    | ●                   |               | ○                   | ○                   |
| 97 x 73 mm  | ○   | ○    |                     |               |                     |                     |
| 97 x 78 mm  | ○   | ○    |                     |               | ○                   | ○                   |
| 102 x 33 mm |     | ●    |                     |               |                     |                     |
| 102 x 38 mm | ○   | ○    |                     |               |                     |                     |
| 102 x 48 mm | ○   | ●    |                     |               |                     | ○                   |
| 102 x 58 mm | ○   | ○    | ○                   | ○             | ○                   | ○                   |
| 102 x 68 mm | ○   | ●    |                     | ○             |                     | ○                   |
| 102 x 78 mm | ○   | ●    |                     |               |                     | ○                   |
| 112 x 48 mm | ○   | ●    | ○                   | ○             |                     | ○                   |
| 112 x 58 mm | ○   | ○    |                     |               |                     | ○                   |
| 112 x 68 mm | ○   | ●    |                     |               |                     | ○                   |
| 112 x 78 mm | ○   | ○    | ○                   |               |                     | ○                   |
| 112 x 88 mm | ○   | ○    |                     | ○             | ○                   | ○                   |
| 122 x 48 mm | ○   | ○    |                     |               |                     |                     |
| 122 x 68 mm | ○   | ●    | ○                   |               |                     | ○                   |

● Dispo.  
○ Délai 10 à 12 jours environ.

P.S. Nombreux autres diamètres  
sous délai rapide. Consultez-nous.

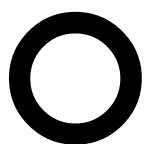
# Creux Bronze



| Diamètres    | UE7 | UE12 | CUSNPB<br>10 à 20 % | UE9P<br>Etiré | UZ23A4 +<br>UZ40AL2 | UA10N<br>Etiré/Filé |
|--------------|-----|------|---------------------|---------------|---------------------|---------------------|
| 122 x 78 mm  | ○   | ○    | ○                   |               |                     | ○                   |
| 122 x 88 mm  | ○   | ●    | ○                   |               |                     | ○                   |
| 122 x 98 mm  | ○   | ○    |                     |               |                     | ○                   |
| 132 x 68 mm  | ○   | ●    | ○                   |               |                     |                     |
| 132 x 78 mm  | ○   | ○    | ○                   |               |                     |                     |
| 132 x 88 mm  | ○   | ●    | ○                   |               |                     |                     |
| 132 x 98 mm  | ○   | ○    |                     | ○             |                     | ○                   |
| 132 x 108 mm | ○   | ○    | ○                   |               |                     | ○                   |
| 142 x 58 mm  | ○   | ●    |                     |               |                     |                     |
| 142 x 68 mm  | ○   | ○    |                     |               | ●                   |                     |
| 142 x 78 mm  | ○   | ○    | ○                   |               |                     | ○                   |
| 142 x 88 mm  | ○   | ●    | ○                   |               |                     |                     |
| 142 x 98 mm  | ○   | ○    | ○                   |               |                     |                     |
| 142 x 108 mm | ○   | ○    |                     |               |                     | ○                   |
| 142 x 118 mm | ○   | ○    |                     |               | ●                   | ○                   |
| 145 x 125 mm |     |      |                     |               | ●                   |                     |
| 152 x 58 mm  | ○   | ○    | ○                   |               |                     |                     |
| 152 x 88 mm  | ○   | ●    |                     |               |                     |                     |
| 152 x 98 mm  | ○   | ○    | ○                   |               |                     | ○                   |
| 152 x 108 mm | ○   | ●    |                     |               |                     |                     |
| 152 x 118 mm | ○   | ○    | ○                   |               |                     | ○                   |
| 152 x 128 mm | ○   | ○    |                     |               |                     |                     |
| 157 x 133 mm | ○   |      |                     |               |                     |                     |
| 162 x 78 mm  | ○   | ○    |                     |               |                     |                     |
| 162 x 88 mm  | ○   | ○    | ○                   |               |                     |                     |
| 162 x 98 mm  | ○   | ●    | ○                   | ○             |                     | ○                   |
| 162 x 118 mm | ○   | ○    | ○                   |               |                     |                     |
| 162 x 128 mm | ○   | ○    |                     |               |                     |                     |

● Dispo.  
○ Délai 10 à 12 jours environ.

P.S. Nombreux autres diamètres  
sous délai rapide. Consultez-nous.



# Creux Bronze

| Diamètres     | UE 7 | UE 12 | CUSNPB<br>10 à 20 % | UE 9P<br>Etiré | UZ 23A 4 +<br>UZ 40A L 2 | UA 10N<br>Etiré/Filé |
|---------------|------|-------|---------------------|----------------|--------------------------|----------------------|
| 170 x 95 m m  |      |       |                     |                |                          | ●                    |
| 172 x 78 m m  | ○    | ○     |                     |                |                          | ○                    |
| 172 x 98 m m  | ○    | ○     |                     |                |                          | ○                    |
| 172 x 118 m m | ○    | ○     |                     |                |                          |                      |
| 172 x 138 m m | ○    | ○     |                     |                |                          |                      |
| 180 x 125 m m |      |       |                     |                | ●                        |                      |
| 180 x 145 m m |      |       |                     |                | ●                        |                      |
| 182 x 98 m m  | ○    | ●     |                     |                |                          |                      |
| 182 x 128 m m | ○    | ○     |                     |                |                          |                      |
| 182 x 148 m m | ○    | ○     |                     |                |                          |                      |
| 182 x 158 m m | ○    |       | ○                   |                |                          |                      |
| 187 x 138 m m | ○    |       |                     |                |                          |                      |
| 192 x 108 m m | ○    | ○     |                     |                |                          |                      |
| 192 x 148 m m | ○    | ○     |                     |                |                          | ○                    |
| 200 x 150 m m |      |       |                     |                |                          | ●                    |
| 202 x 98 m m  | ○    | ●     |                     |                |                          |                      |
| 202 x 118 m m | ○    | ○     |                     |                |                          |                      |
| 202 x 138 m m | ○    | ●     |                     |                |                          | ○                    |
| 202 x 158 m m | ○    | ○     |                     |                |                          |                      |
| 202 x 178 m m | ○    |       | ○                   |                |                          |                      |
| 212 x 148 m m | ○    | ○     |                     | ○              |                          |                      |
| 222 x 118 m m | ○    | ○     |                     |                |                          |                      |
| 222 x 148 m m | ○    | ○     |                     |                |                          |                      |
| 232 x 138 m m | ○    | ○     |                     |                |                          |                      |
| 232 x 178 m m | ○    | ○     |                     |                |                          |                      |
| 232 x 198 m m |      |       | ●                   |                |                          |                      |
| 242 x 148 m m | ○    | ○     |                     |                |                          |                      |
| 252 x 128 m m | ○    | ○     |                     |                |                          |                      |
| 252 x 178 m m | ○    | ○     |                     |                |                          |                      |
| 262 x 138 m m | ○    | ○     |                     |                |                          |                      |
| 270 x 210 m m |      |       |                     |                |                          | ●                    |
| 272 x 188 m m |      |       | ●                   |                |                          |                      |
| 280 x 245 m m |      |       |                     |                |                          | ●                    |
| 302 x 148 m m | ○    |       |                     |                |                          |                      |
| 312 x 228 m m |      | ○     |                     |                |                          |                      |
| 350 x 263 m m |      | ○     |                     |                |                          |                      |

● Dispo.

○ Délai 10 à 12 jours environ.

P.S. Nombreux autres diamètres  
sous délai rapide. Consultez-nous.

# Carrés Bronze



| dim          | UE 7 | UE 12 | UPB10E10<br>à UPB20E20 | UE9P | UA10N | UZ23A4<br>UZ40AL2<br>MN2 |
|--------------|------|-------|------------------------|------|-------|--------------------------|
| 10 x 10 mm   |      |       |                        | ○    |       |                          |
| 15 x 15 mm   |      |       |                        | ●    |       |                          |
| 16 x 16 mm   | ●    |       |                        |      |       |                          |
| 20 x 20 mm   |      |       |                        | ○    | ○     | ○                        |
| 22 x 22 mm   | ●    | ●     |                        |      |       |                          |
| 25 x 25 mm   |      |       |                        | ○    | ○     |                          |
| 26 x 26 mm   |      | ○     |                        |      |       |                          |
| 30 x 30 mm   |      |       |                        |      | ●     | ●                        |
| 32 x 32 mm   | ○    | ●     |                        | ○    |       | ○                        |
| 35 x 35 mm   |      |       |                        | ○    |       |                          |
| 36 x 36 mm   | ○    | ○     |                        |      |       |                          |
| 40 x 40 mm   |      |       |                        | ○    | ●     | ○                        |
| 42 x 42 mm   | ○    | ●     |                        | ○    |       |                          |
| 45 x 45 mm   |      |       |                        | ○    | ○     |                          |
| 46 x 46 mm   | ○    | ○     |                        |      |       |                          |
| 50 x 50 mm   |      |       |                        | ○    | ●     | ○                        |
| 52 x 52 mm   | ○    | ●     |                        |      |       |                          |
| 55 x 55 mm   |      |       |                        |      | ○     |                          |
| 60 x 60 mm   |      |       |                        | ○    | ●     | ○                        |
| 62 x 62 mm   | ●    | ●     |                        |      |       |                          |
| 70 x 70 mm   |      |       |                        |      | ○     | ○                        |
| 72 x 72 mm   | ○    | ○     |                        | ○    |       |                          |
| 80 x 80 mm   |      |       |                        |      | ○     | ○                        |
| 82 x 82 mm   | ○    | ●     | ○                      |      |       |                          |
| 90 x 90 mm   |      |       |                        |      | ○     |                          |
| 92 x 92 mm   | ○    |       | ○                      |      |       |                          |
| 100 x 100 mm |      |       |                        |      | ○     | ○                        |
| 102 x 102 mm | ○    | ●     | ○                      |      |       |                          |
| 110 x 110 mm |      |       |                        |      | ○     |                          |
| 112 x 112 mm | ●    | ○     |                        |      |       |                          |
| 120 x 120 mm |      |       |                        |      | ○     |                          |
| 122 x 122 mm | ○    | ●     | ○                      |      |       |                          |
| 134 x 134 mm | ○    |       |                        |      |       |                          |
| 140 x 140 mm |      |       |                        |      | ○     |                          |
| 150 x 150 mm |      |       |                        |      | ○     |                          |
| 152 x 152 mm | ●    | ●     |                        |      |       |                          |
| 166 x 166 mm |      |       | ○                      |      |       |                          |
| 186 x 186 mm |      |       | ○                      |      |       |                          |
| 200 x 200 mm |      |       |                        |      | ○     |                          |
| 206 x 206 mm |      | ●     |                        |      |       |                          |
| 210 x 210 mm |      |       | ○                      |      |       |                          |
| 222 x 222 mm |      | ●     |                        |      |       |                          |
| 240 x 240 mm |      |       |                        |      |       |                          |
| 243 x 243 mm | ○    | ○     |                        |      |       |                          |
| 262 x 262 mm |      | ○     |                        | ○    |       |                          |

● Disponible

○ 8/10 jours environ.

Nombreux autres carrés sous 8/10 jours. Consultez-nous

# Méplats Bronze

| Sections   | UE 7 | UE 12 | UE9P<br>étiré | UA10N<br>étiré |
|------------|------|-------|---------------|----------------|
| 20 x 5 mm  |      |       | ○             |                |
| 20 x 6 mm  |      |       | ●             |                |
| 20 x 8 mm  |      |       | ○             |                |
| 20 x 10 mm |      |       | ●             | ○              |
| 20 x 15 mm |      |       |               | ○              |
| 22 x 12 mm | ○    |       | ●             |                |
| 25 x 12 mm | ○    | ○     |               |                |
| 27 x 14 mm | ○    | ○     |               |                |
| 27 x 17 mm | ○    | ○     |               |                |
| 30 x 5 mm  |      |       | ○             |                |
| 30 x 6 mm  |      |       | ○             |                |
| 30 x 8 mm  |      |       | ○             |                |
| 30 x 10 mm |      |       | ●             | ○              |
| 30 x 15 mm |      |       | ●             | ○              |
| 30 x 20 mm |      |       | ●             | ●              |
| 32 x 12 mm |      | ○     |               |                |
| 32 x 17 mm | ○    | ○     |               |                |
| 32 x 22 mm | ○    | ●     |               |                |
| 32 x 27 mm |      | ○     |               |                |
| 37 x 17 mm |      | ○     |               |                |
| 37 x 22 mm |      | ○     |               |                |
| 37 x 27 mm |      | ○     |               |                |
| 40 x 6 mm  |      |       | ○             |                |
| 40 x 8 mm  |      |       | ○             |                |
| 40 x 10 mm |      |       | ●             | ●              |
| 40 x 12 mm |      |       | ○             |                |
| 40 x 15 mm |      |       | ●             | ○              |
| 40 x 20 mm |      |       | ●             | ●              |
| 40 x 25 mm |      |       | ○             | ●              |
| 40 x 30 mm |      |       | ○             | ○              |
| 42 x 12 mm |      | ○     |               |                |
| 42 x 17 mm |      | ○     |               |                |
| 42 x 22 mm | ●    | ○     |               |                |
| 42 x 25 mm |      | ○     |               |                |
| 42 x 32 mm | ●    | ○     |               |                |

| Sections   | UE 7 | UE 12 | UE9P<br>étiré | UA10N<br>étiré |
|------------|------|-------|---------------|----------------|
| 47 x 32 mm | ●    | ○     |               |                |
| 50 x 5 mm  |      |       | ○             |                |
| 50 x 6 mm  |      |       | ○             |                |
| 50 x 8 mm  |      |       | ○             |                |
| 50 x 10 mm |      |       | ●             | ○              |
| 50 x 12 mm |      |       | ○             |                |
| 50 x 15 mm |      |       |               | ○              |
| 50 x 20 mm |      |       |               | ●              |
| 50 x 25 mm |      |       |               | ●              |
| 50 x 30 mm |      |       | ●             | ○              |
| 50 x 40 mm |      |       |               | ○              |
| 52 x 14 mm | ○    | ○     |               |                |
| 52 x 17 mm |      | ○     |               |                |
| 52 x 22 mm | ○    | ○     |               |                |
| 52 x 32 mm |      | ○     |               |                |
| 52 x 37 mm | ○    |       |               |                |
| 60 x 10 mm |      |       | ○             | ○              |
| 60 x 15 mm |      |       |               | ○              |
| 60 x 20 mm |      |       | ○             | ●              |
| 60 x 30 mm |      |       | ○             | ○              |
| 60 x 40 mm |      |       |               | ○              |
| 62 x 12 mm |      | ○     |               |                |
| 62 x 17 mm | ○    | ○     |               |                |
| 62 x 22 mm | ●    | ●     |               |                |
| 62 x 27 mm | ○    | ○     |               |                |
| 62 x 37 mm | ○    | ○     |               |                |
| 62 x 42 mm | ○    | ○     |               |                |
| 62 x 52 mm | ●    |       |               |                |
| 67 x 22 mm | ○    |       |               |                |
| 67 x 37 mm | ○    |       |               |                |
| 70 x 10 mm |      |       | ○             | ○              |
| 70 x 20 mm |      |       |               | ●              |
| 70 x 25 mm |      |       |               | ●              |
| 70 x 40 mm |      |       |               | ○              |
| 70 x 50 mm |      |       |               | ○              |

● / Disponible.

○ / Délai : 8/10 jours environ.

# Méplats Bronze



| Sections    | UE 7 | UE 12 | UE9P<br>étiré | UA10N<br>étiré |
|-------------|------|-------|---------------|----------------|
| 72 x 23 mm  | ○    | ○     |               |                |
| 72 x 42 mm  | ○    | ○     |               |                |
| 80 x 10 mm  |      |       |               | ●              |
| 80 x 15 mm  |      |       |               | ○              |
| 80 x 20 mm  |      |       |               | ●              |
| 80 x 30 mm  |      |       | ○             | ○              |
| 80 x 40 mm  |      |       |               | ○              |
| 80 x 50 mm  |      |       |               | ○              |
| 80 x 60 mm  |      |       |               | ○              |
| 82 x 14 mm  | ○    | ○     |               |                |
| 82 x 17 mm  | ●    | ○     |               |                |
| 82 x 22 mm  | ○    | ○     |               |                |
| 82 x 27 mm  |      | ○     |               |                |
| 82 x 32 mm  |      | ○     |               |                |
| 82 x 42 mm  | ○    | ○     |               |                |
| 82 x 52 mm  | ○    | ○     |               |                |
| 82 x 62 mm  | ○    | ○     |               |                |
| 90 x 20 mm  |      |       | ●             |                |
| 91 x 32 mm  |      |       |               |                |
| 100 x 10 mm |      |       |               | ●              |
| 100 x 20 mm |      |       |               | ○              |
| 100 x 30 mm |      |       |               | ○              |
| 100 x 40 mm |      |       |               | ○              |
| 100 x 50 mm |      |       |               | ●              |
| 100 x 60 mm |      |       |               | ○              |
| 100 x 80 mm |      |       |               | ○              |
| 102 x 12 mm | ○    | ○     |               |                |
| 102 x 17 mm | ○    | ○     |               |                |
| 102 x 22 mm |      | ●     |               |                |
| 102 x 27 mm | ○    | ○     |               |                |
| 102 x 32 mm | ○    | ○     |               |                |
| 102 x 42 mm | ○    | ○     |               |                |
| 102 x 52 mm |      | ○     |               |                |
| 120 x 20 mm |      |       |               | ●              |
| 120 x 40 mm | ○    |       |               |                |
| 120 x 60 mm | ○    |       |               |                |
| 122 x 22 mm | ○    | ●     |               |                |
| 122 x 32 mm |      | ○     |               |                |

● / Disponible.

○ / Délai : 8/10 jours environ.

Autres possibilités : UPB10E10 , UZ23A4 , UZ19A6 , UZ40AL2MN2. sur disponible ou sous 10/15 jours. Consultez-nous.

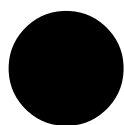
| Sections     | UE 7 | UE 12 | UE9P<br>étiré | UA10N<br>étiré |
|--------------|------|-------|---------------|----------------|
| 122 x 42 mm  |      | ○     |               |                |
| 122 x 52 mm  |      | ○     |               |                |
| 122 x 68 mm  |      | ○     |               |                |
| 132 x 27 mm  |      | ○     |               |                |
| 132 x 42 mm  |      | ○     |               |                |
| 132 x 52 mm  | ○    | ○     |               |                |
| 140 x 30 mm  |      |       |               | ○              |
| 140 x 50 mm  |      |       |               | ○              |
| 143 x 23 mm  | ○    | ○     |               |                |
| 142 x 52 mm  |      | ○     |               |                |
| 152 x 32 mm  | ○    | ○     |               |                |
| 160 x 25 mm  |      |       |               | ○              |
| 160 x 60 mm  |      |       |               | ○              |
| 160 x 100 mm |      |       |               | ○              |
| 163 x 24 mm  | ○    | ○     |               |                |
| 164 x 52 mm  |      | ○     |               |                |
| 172 x 62 mm  |      | ○     |               |                |
| 178 x 148 mm |      | ○     |               |                |
| 183 x 23 mm  | ○    | ○     |               |                |
| 200 x 20 mm  |      |       |               | ○              |
| 200 x 30 mm  |      |       |               | ○              |
| 200 x 50 mm  |      |       |               | ○              |
| 200 x 80 mm  |      |       |               | ○              |
| 202 x 23 mm  | ○    |       |               |                |
| 202 x 27 mm  |      | ○     |               |                |
| 202 x 32 mm  |      | ○     |               |                |
| 206 x 163 mm |      | ○     |               |                |
| 222 x 22 mm  | ○    | ○     |               |                |
| 252 x 27 mm  | ○    | ○     |               |                |
| 252 x 103 mm | ○    | ○     |               |                |
| 252 x 175 mm |      | ●     |               |                |
| 260 x 17 mm  | ○    | ○     |               |                |
| 260 x 17 mm  | ○    | ○     |               |                |
| 286 x 34 mm  | ○    | ○     |               |                |
| 302 x 17 mm  | ○    | ○     |               |                |
| 304 x 101 mm |      |       |               | ○              |
| 310 x 42 mm  | ○    | ○     |               |                |
| 351 x 156 mm |      | ○     |               |                |
| 365 x 27 mm  | ○    | ○     |               |                |

# Données Techniques

| <b>Bronzes en<br/>Coulée continue</b>                 | <b>Résistance<br/>Mécanique<br/>N/m m<sup>2</sup></b> | <b>E<br/>Rp0.2<br/>N/m m<sup>2</sup></b> | <b>A %</b> | <b>Dureté<br/>Brinell</b> |
|-------------------------------------------------------|-------------------------------------------------------|------------------------------------------|------------|---------------------------|
| <b>UE 7</b>                                           | 260-280                                               | 120                                      | 13-20      | 80-95                     |
| <b>UE 12</b>                                          | 270-320                                               | 150                                      | 8-15       | 95-105                    |
| <b>UE9 P</b>                                          | 300-320                                               | 170                                      | 25-50      | 90-100                    |
| <b>UPB 10 E10</b>                                     | 220                                                   | 140                                      | 6          | 90                        |
| <b>UPB 15 E8</b>                                      | 180                                                   | 110                                      | 8          | 80                        |
| <b>UPB 20 E10</b>                                     | 160                                                   | 90                                       | 6          | 75                        |
| <b>UA10N</b>                                          | 680                                                   | 300                                      | 15         | 160                       |
| <b>UA9NFE</b>                                         | 550                                                   | 270                                      | 13         | 175                       |
| <b>UZ23A4</b>                                         | 600                                                   | 300                                      | 8          | 160                       |
| <b>UZ19A6</b>                                         | 750                                                   | 550                                      | 8          | 230                       |
|                                                       |                                                       |                                          |            |                           |
| <b>Bronzes écrouis<br/>Etirés / Filés<br/>Laminés</b> | <b>Résistance<br/>Mécanique<br/>N/m m<sup>2</sup></b> | <b>E<br/>Rp0.2<br/>N/m m<sup>2</sup></b> | <b>A %</b> | <b>Dureté<br/>Brinell</b> |
| <b>CUSN6 Tôles</b>                                    |                                                       |                                          |            |                           |
| <b>Recuit</b>                                         | 340-400                                               | 220                                      | 50-55      | 85                        |
| <b>1/2 dur</b>                                        | 400-470                                               | 200                                      | 30-35      | 120                       |
| <b>4/4 dur</b>                                        | 470-550                                               | 390                                      | 18-23      | 160                       |
| <b>Ressort</b>                                        | 550-640                                               | 490                                      | 11-13      | 180                       |
| <b>CUSN8 Etiré/Filé</b>                               |                                                       |                                          |            |                           |
| <b>1/2 dur</b>                                        | 450-520                                               | 250                                      | 30-35      | 135                       |
| <b>4/4 dur</b>                                        | 520-590                                               | 420                                      | 20-23      | 160                       |
| <b>UZ40 AL2 MN2</b>                                   |                                                       |                                          |            |                           |
| <b>Filé</b>                                           | 640                                                   | 340                                      | 18         | 155                       |
| <b>Etiré</b>                                          | 690                                                   | 390                                      | 15         | 170                       |
| <b>UA10N<br/>F 65</b>                                 | 640-700                                               | 270-340                                  | 10-15      | 180-195                   |

*Ces informations sont données à titre purement indicatif et ne constituent en aucun cas des données contractuelles.*

# **LA FONTE ET LE PLASTIQUE**



# Ronds Fonte

| Diamètres    | kg/ml | FT 25 | GS |
|--------------|-------|-------|----|
| Diam. 25 mm  | 3.6   | ●     |    |
| Diam. 30 mm  | 5.2   | ●     | □  |
| Diam. 35 mm  | 7     | ●     | □  |
| Diam. 40 mm  | 9.3   | ●     | □  |
| Diam. 45 mm  | 11.7  | ●     | □  |
| Diam. 50 mm  | 14.5  | ●     | ●  |
| Diam. 55 mm  | 17.5  | ●     | □  |
| Diam. 60 mm  | 20.8  | ●     | □  |
| Diam. 65 mm  | 24.5  | □     | □  |
| Diam. 70 mm  | 28.3  | ●     | □  |
| Diam. 75 mm  | 32.5  | ●     | □  |
| Diam. 80 mm  | 37    | ●     | ●  |
| Diam. 85 mm  | 42    | ●     | □  |
| Diam. 90 mm  | 46.8  | ●     | □  |
| Diam. 95 mm  | 52.1  | □     | □  |
| Diam. 100 mm | 57.6  | ●     | ●  |
| Diam. 105 mm | 63.7  | □     | □  |
| Diam. 110 mm | 70    | □     | □  |
| Diam. 115 mm | 76.5  | ●     | □  |
| Diam. 120 mm | 83    | □     | ●  |
| Diam. 125 mm | 90.2  | ●     | □  |
| Diam. 130 mm | 98    | □     | □  |
| Diam. 135 mm | 105   | □     | □  |
| Diam. 140 mm | 113   | □     | ●  |
| Diam. 145 mm | 121.3 | ●     | □  |
| Diam. 150 mm | 130   | ●     | □  |
| Diam. 160 mm | 148   | ●     | □  |
| Diam. 170 mm | 167   | □     | □  |
| Diam. 180 mm | 187   | ●     | ●  |

| Diamètres    | kg/ml | FT 25 | GS |
|--------------|-------|-------|----|
| Diam. 190 mm | 209   | □     | ●  |
| Diam. 200 mm | 231   | ●     | □  |
| Diam. 210 mm | 255   | □     | □  |
| Diam. 220 mm | 280   | ●     | □  |
| Diam. 230 mm | 305   | ●     | □  |
| Diam. 240 mm | 333   | ●     | □  |
| Diam. 250 mm | 361   | ●     | □  |
| Diam. 260 mm | 390   | ●     | □  |
| Diam. 270 mm | 421   | ●     | □  |
| Diam. 280 mm | 452   | ●     | □  |
| Diam. 300 mm | 520   | ●     | □  |
| Diam. 320 mm | 591   | ●     | □  |
| Diam. 340 mm | 667   | ●     | □  |
| Diam. 350 mm | 707   | □     |    |
| Diam. 360 mm | 750   | ●     |    |
| Diam. 400 mm | 924   | ●     | □  |
| Diam. 420 mm | 1018  | ●     | □  |
| Diam. 460 mm | 1220  | ●     | □  |
| Diam. 500 mm | 1443  | □     |    |
| Diam. 600 mm | 2077  | □     |    |

● / Disponible.

□ / Délai : 8/10 jours environ.

Nombreuses autres dimensions sous 8/10 jours, consultez-nous.

# Carrés Fonte



| S e c t i o n s   | k g / m l | F T 2 5 | G S |
|-------------------|-----------|---------|-----|
| 3 0 x 3 0 m m     | 6 . 5     | □       |     |
| 3 5 x 3 5 m m     | 9         | □       |     |
| 4 0 x 4 0 m m     | 1 2       | •       | •   |
| 5 0 x 5 0 m m     | 1 8       | •       | •   |
| 6 0 x 6 0 m m     | 2 6       | •       | □   |
| 7 0 x 7 0 m m     | 3 6 . 7   | •       | □   |
| 8 0 x 8 0 m m     | 4 7 . 5   | •       | □   |
| 8 5 x 8 5 m m     | 5 4       | •       |     |
| 9 0 x 9 0 m m     | 5 8       | □       | □   |
| 1 0 0 x 1 0 0 m m | 7 2       | •       | □   |
| 1 1 0 x 1 1 0 m m | 8 9 . 2   | •       | □   |
| 1 2 0 x 1 2 0 m m | 1 0 4     | •       | •   |
| 1 5 0 x 1 5 0 m m | 1 6 4     | □       | □   |
| 2 0 0 x 2 0 0 m m | 2 8 8     | •       | □   |
| 2 2 0 x 2 2 0 m m | 3 6 2     | □       |     |
| 2 5 0 x 2 5 0 m m | 4 6 6     | □       | □   |
| 2 7 0 x 2 7 0 m m | 5 4 3     | □       |     |
| 3 0 0 x 3 0 0 m m | 6 7 0     | □       |     |

# Méplats Fonte



| Sections    | kg/ml | FT 25 | GS |
|-------------|-------|-------|----|
| 40 x 20 mm  | 6     | •     |    |
| 50 x 25 mm  | 6.6   | •     |    |
| 50 x 30 mm  | 11    | •     |    |
| 50 x 40 mm  | 14.5  | •     |    |
| 55 x 20 mm  | 8     | •     |    |
| 70 x 40 mm  | 19.2  | •     |    |
| 80 x 20 mm  | 11.3  | •     |    |
| 80 x 30 mm  | 17.6  | •     |    |
| 80 x 60 mm  | 35.7  | •     |    |
| 90 x 50 mm  | 32.6  | •     |    |
| 90 x 60 mm  | 39.7  | •     |    |
| 90 x 70 mm  | 46    | •     |    |
| 100 x 40 mm | 29    | •     |    |
| 100 x 80 mm | 58.8  | •     |    |

| Sections     | kg/ml | FT 25 | GS |
|--------------|-------|-------|----|
| 105 x 25 mm  | 19.2  | •     |    |
| 105 x 50 mm  | 38.5  | •     |    |
| 110 x 70 mm  | 56    | •     |    |
| 120 x 50 mm  | 44    | •     |    |
| 120 x 75 mm  | 65    | •     |    |
| 130 x 60 mm  | 57    | •     |    |
| 130 x 100 mm | 95.6  | •     |    |
| 130 x 110 mm | 105   | •     |    |
| 140 x 50 mm  | 52    | •     |    |
| 160 x 100 mm | 110   | •     |    |
| 160 x 110 mm | 129.3 | •     |    |
| 170 x 70 mm  | 87    | •     |    |
| 180 x 160 mm | 210   | □     |    |

● / Disponible.

□ / Délai : 8/10 jours environ.

# PLASTIQUES

| PRODUITS                  | SYMBOLES     | DENSITE | TEMP.<br>C° | CARACTERISTIQUES<br>PRINCIPALES                                                                                                                                                                                                                                       |
|---------------------------|--------------|---------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| POLYAMIDES                | PA 6         | 1.14    | -40<br>+100 | Haute viscosité, ténacité optimale, résistance à l'usure, collable et soudable.                                                                                                                                                                                       |
|                           | PA 6.6       | 1.15    | -30<br>+120 | Dur, résiste à la traction et à la pression, bonne stabilité à la chaleur, très résistant à l'arrachement..                                                                                                                                                           |
|                           | PA 6.G       | 1.15    | -40<br>+110 | Grande résistance à l'arrachement, grande dureté,<br>pièces de très grandes dimensions.                                                                                                                                                                               |
|                           | PA 11        | 1.05    | -30<br>+70  | Polyamide à hautes performances, faible reprise d'eau permettant une bonne stabilité dimensionnelle.                                                                                                                                                                  |
|                           | PA 12        | 1.01    | -40<br>+70  | Tenace, résistant à la friction, absorption d'humidité moins élevée que PA 6 et PA 11.                                                                                                                                                                                |
| POLYACETALS               | POM          | 1.42    | -40<br>+110 | Stabilité dimensionnelle, autolubrifiant, usinage facile.                                                                                                                                                                                                             |
|                           | POM          | 1.41    | -40<br>+100 |                                                                                                                                                                                                                                                                       |
| POLYCHLORURE<br>DE VINYLE | PVC          | 1.38    | -40<br>+60  | Ténacité élevée, bonne tenue au chocs, stable thermiquement, auto-extinguible. Facilement transformable par usinage, thermoformage, collage et soudage.                                                                                                               |
| POLYETHYLENE              | PE<br>BP.H.D | 0.95    | -50<br>+80  | Excellente résistance aux chocs même à très basse température, léger, facilement soudable, imperméabilité à l'eau. Alimentaire. Bonne résistance aux acides et solvants.                                                                                              |
|                           | LDPE         | 0.95    | -100<br>+80 | Excellente résistance mécanique, bon coefficient de glissement, anti-abrasif, facilement usinable. Alimentaire                                                                                                                                                        |
|                           | UHM<br>HDPE  | 0.94    | -260<br>+80 |                                                                                                                                                                                                                                                                       |
| POLYPROPYLENE             | P.P          | 0.91    | -10<br>+100 | Excellente résistance mécanique à température élevée et légèreté supérieure aux P-E, bonne résistance chimique aux bases, acides et solvants, bien soudable, thermoformable.                                                                                          |
| POLYCARBONATES            | P.C          | 1.20    | -40<br>+135 | Excellente transmission à la lumière, haute résistance aux chocs dans une vaste plage de température. Facilité de pose, facilité d'usinage, garantie contre la casse, clair comme le verre.<br>Auto-extinguible selon norme DIN.<br>Résistant à la chaleur ( + 125°C) |
|                           | P.C          | 1.20    | -40<br>+135 |                                                                                                                                                                                                                                                                       |
|                           | P.C          | 1.20    | -40<br>+135 |                                                                                                                                                                                                                                                                       |
| POLYMETHA-<br>CRYLATES    | P.M.M.A.     | 1.18    | -40<br>+80  | Excellente transmission lumineuse, bonne résistance aux chocs, résiste bien aux divers gaz habituellement contenus dans l'atmosphère des villes ou des rivages maritimes pour garde-corps, vitrines, enseignes lumineuses.                                            |
|                           | P.M.M.A.     | 1.18    | -40<br>+80  |                                                                                                                                                                                                                                                                       |

POSSIBILITES : Ronds, carrés, tubes, méplats, tôles, découpe de tôle.  
Délai: 3 à 8 jours suivant dimension.  
Consultez-nous.

*Ces informations sont données à titre purement indicatif et ne constituent en aucun cas des données contractuelles.*

# PLASTIQUES

| PRODUITS                      | SYMBOLES              | DENSITE      | TEMP.<br>C°  | CARACTERISTIQUES<br>PRINCIPALES                                                                                                                                                                                                                       |
|-------------------------------|-----------------------|--------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIVERS                        | ABS                   | 1.04         | -60<br>+100  | Très résistant aux chocs, très brillant, bonne combinaison de rigidité, dureté et résistance.                                                                                                                                                         |
|                               | P.P.O                 | 1.06         | -40<br>+120  | Excellentes caractéristiques mécaniques, bon isolant électrique, auto-extinguible, bonne stabilité dimensionnelle jusqu'à 100° C.                                                                                                                     |
|                               | P.S                   | 1.05         | -100<br>+80  | Dur, transparent, bon marché.                                                                                                                                                                                                                         |
|                               | S.U                   | 1.24         | -40<br>+150  | Hautes propriétés mécaniques d'ensemble, résistance à basse température, collage facile.                                                                                                                                                              |
|                               | POLYURETANE           | Selon dureté | Selon dureté | Caoutchouc d'uréthane de haute qualité qui allie les nombreux avantages des matières rigides, plastiques et métaux à la résilience et à l'élasticité du caoutchouc.                                                                                   |
|                               | P.P.S                 | 1.64         | +260         | Stabilité inhabituelle à la chaleur, très bonne résistance chimique, inflammabilité nulle, ne goutte pas.                                                                                                                                             |
|                               | TROGRAMID             | 1.12         | +100         | Polyamide transparent à chaîne moléculaire tridimensionnelle, bonne tenue au vieillissement, tensions internes nulles, stabilité dimensionnelle dans le temps.                                                                                        |
| POLYIMIDES                    | SP                    | 1.90         | -250<br>+260 | Excellente tenue dans une plage étendue de températures. Excellente résistance à l'usure, rigidité diélectrique élevée, résistance remarquable à l'action des radiations.                                                                             |
|                               | KYNEL                 | 1.90         | -250<br>+260 | Excellente résistance à une grande variété d'agents chimiques. Propriétés mécaniques altérées par les bases fortes à froid ou les bases faibles en solution aqueuse à chaud.                                                                          |
| RESINES<br>PERFLUOREES        | VITON                 | 1.85         | +260         | Elastomère perfluoré. Caoutchouc doué d'une résistance chimique semblable à celle du PTFE. Convient pour un service de longue durée à haute température.                                                                                              |
|                               | KALREZ                | 1.86         | +260         |                                                                                                                                                                                                                                                       |
|                               | ELASTOMERE<br>VOLTALF | 1.85         | +180         |                                                                                                                                                                                                                                                       |
| RESINES<br>FLUOREES           | PVDF                  | 1.78         | -50<br>+150  | Exceptionnelle résistance envers les produits chimiques, excellente résistance mécanique, insensible au vieillissement, très bonne résistance à l'abrasion, auto-extinguible, non toxique.                                                            |
|                               | PVDF                  | 1.78         | -50<br>+150  |                                                                                                                                                                                                                                                       |
|                               | PV2F                  | 1.78         | -50<br>+150  |                                                                                                                                                                                                                                                       |
| AUTRES<br>RESINES<br>FLUOREES | PTFE                  | 2.19         | -200<br>+260 | Inertie chimique totale, résistance électrique très élevée, propriétés thermiques très élevées, auto-lubrifiant, anti-adhérent.                                                                                                                       |
|                               | PFA                   | 2.20         | -200<br>+270 | Excellente tenue aux fortes températures, absence de vieillissement, inertie chimique caractéristique diélectrique exceptionnelle, solidité et souplesse, faible coefficient de frottement, absorption d'eau négligeable, résistance aux intempéries. |
|                               | FEP                   | 2.20         | +220         | Caractéristiques équivalentes au TFE à l'exception de sa résistance à la température (200° C)                                                                                                                                                         |
|                               | EPTF                  | 1.70         | +155         | Remarquable résistance mécanique, excellente caractéristique THERMIQUES, ELECTRIQUES et CHIMIQUES.                                                                                                                                                    |
|                               | PTFCE                 | 2.20         | +150         | Inertie chimique, bonne résistance électrique, bonne résistance thermique, bonne résistance mécanique, bon coefficient de frottement.                                                                                                                 |

Ces informations sont données à titre purement indicatif et ne constituent en aucun cas des données contractuelles.

# ALLIAGES SPECIAUX

***TITANES***

***TANTALE***

***TUNGSTENE***

***MOLYBDENE***

***NIOBIUM***

***PLOMB***

***MAGNESIUM***

***ZINC***

***ETAIN***

***ANTIFRICTION***

***BAGUETTES DE SOUDURE***

***EN ROND OU TOLE : CONSULTEZ-NOUS***