

# **DONNÉES TECHNIQUES ROLLER**



## DONNÉES TECHNIQUES

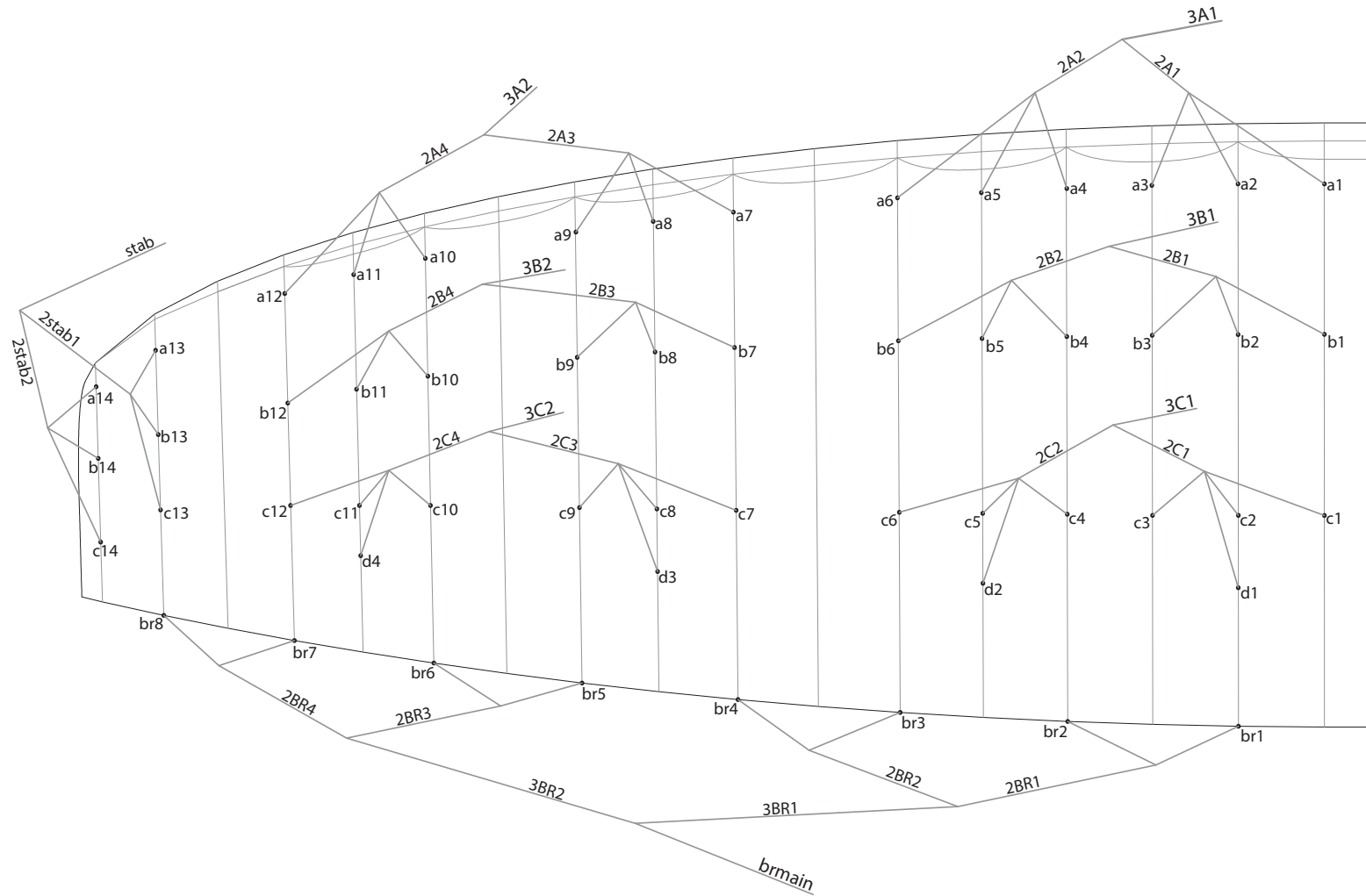
| ROLLER           |                |                | 14    | 16    | 18    | 20    |
|------------------|----------------|----------------|-------|-------|-------|-------|
| ALVÉOLES         | NOMBRE         |                | 35    | 35    | 35    | 35    |
|                  | FERMÉ          |                | 8     | 8     | 8     | 8     |
|                  | CAISSONS       |                | 27    | 27    | 27    | 27    |
| À PLAT           | SURFACE        | m <sup>2</sup> | 14    | 16    | 18    | 20    |
|                  | ENVERGURE      | m              | 7,76  | 8,3   | 8,8   | 9,27  |
|                  | ALLONGEMENT    |                | 4,3   | 4,3   | 4,3   | 4,3   |
| PROJETÉE         | SURFACE        | m <sup>2</sup> | 12,5  | 14,28 | 16,1  | 17,85 |
|                  | ENVERGURE      | m              | 6,71  | 7,17  | 7,61  | 8,02  |
|                  | ALLONGEMENT    |                | 3,6   | 3,6   | 3,6   | 3,6   |
| APLATISSEMENT    |                | %              | 12%   | 12%   | 12%   | 12%   |
| CORDE            | MAXIMUM        | m              | 2,17  | 2,32  | 2,46  | 2,59  |
|                  | MINIMUM        | m              | 0,72  | 0,77  | 0,81  | 0,86  |
|                  | MOYENNE        | m              | 1,80  | 1,93  | 2,05  | 2,16  |
| SUSPENTES        | MÈTRES TOTALES | m              | 180,4 | 193,5 | 205,8 | 217,5 |
|                  | HAUTEUR        | m              | 4,88  | 5,23  | 5,54  | 5,84  |
|                  | NOMBRE         |                | 164   | 164   | 164   | 164   |
|                  | PRINCIPALES    |                | 2/3/2 | 2/3/2 | 2/3/2 | 2/3/2 |
| ÉLÉVATEURS       | NOMBRE         | 3              | A/B/C | A/B/C | A/B/C | A/B/C |
|                  | AFFICHEURS     |                | OUI   | OUI   | OUI   | OUI   |
|                  | ACCÉLÉRATEUR   | m/m            | 90    | 90    | 90    | 90    |
| POIDS TOTAL      | MINIMUM        | kg             | 60    | 70    | 80    | 90    |
| VOLANT CONSEILLÉ | MAXIMUM        | kg             | 90    | 100   | 110   | 120   |
| POIDS DE L'AILE  |                | kg             | 3     | 3,3   | 3,6   | 3,9   |
| HOMOLOGATION     |                | EN             | 926-1 | 926-1 | 926-1 | 926-1 |

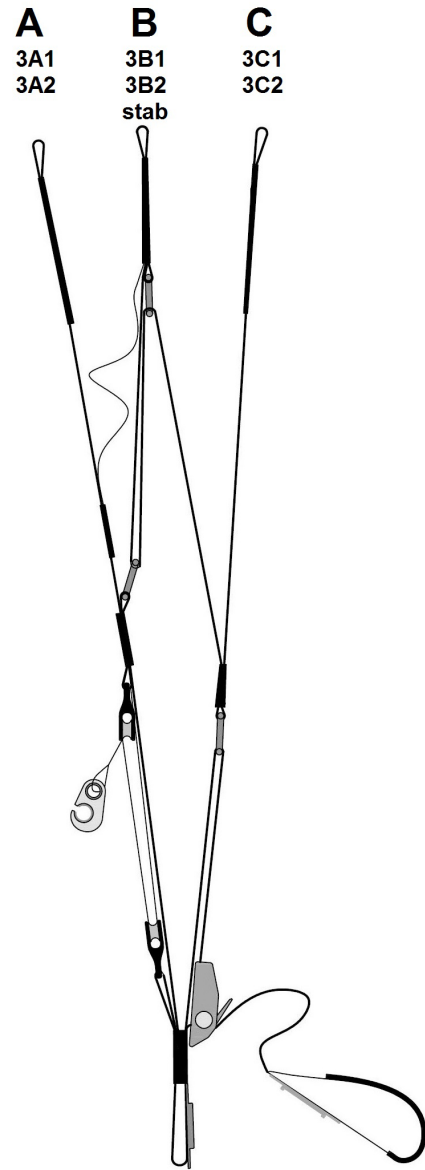
**MATÉRIAUX**

| <b>VOILERIE</b>            | <b>MATÉRIAUX</b> | <b>FABRICANT</b>        |
|----------------------------|------------------|-------------------------|
| EXTRADOS                   | 9017 E25         | PORCHER IND (FRANCE)    |
| INTRADOS                   | N20 DMF          | DOMINICO TEX CO (CORÉE) |
| PROFIL                     | 9017-E29         | PORCHER IND (FRANCE)    |
| DIAGONALES                 | 9017-E29         | PORCHER IND (FRANCE)    |
| POINT D'ATTACHE            | LKI - 10         | KOLON IND. (CORÉE)      |
| RENFORT DU POINT D'ATTACHE | W-420            | D-P (ALLEMAGNE)         |
| RENFORT DU BORD DE FUITE   | MYLAR            | D-P (ALLEMAGNE)         |
| RENFORT CLOISONS           | LTN-0.8 STICK    | SPORTWARE CO. (CHINA)   |
| FIL                        | SERAFIL 60       | AMAN (ALLEMAGNE)        |

| <b>SUSPENTAGE</b>          | <b>MATÉRIAUX</b> | <b>FABRICANT</b>       |
|----------------------------|------------------|------------------------|
| CASCADES SUPÉRIEURES       | DC - 60          | LIROS GMHB (ALLEMAGNE) |
| CASCADES INTERMÉDIAIRES    | DC - 60          | LIROS GMHB (ALLEMAGNE) |
| CASCADES INTERMÉDIAIRES    | PPSL - 120       | LIROS GMHB (ALLEMAGNE) |
| CASCADES INTERMÉDIAIRES    | TNL - 140        | TEIJIM LIMITED (JAPON) |
| CASCADES PRINCIPALES       | PPSL - 120       | LIROS GMHB (ALLEMAGNE) |
| CASCADES PRINCIPALES       | TNL - 280        | TEIJIM LIMITED (JAPON) |
| CASCADES PRINCIPALES       | TNL - 400        | TEIJIM LIMITED (JAPON) |
| CASCADES PRINCIPALES FREIN | TNL - 400        | TEIJIM LIMITED (JAPON) |
| FIL                        | SERAFIL 60       | AMAN (ALLEMAGNE)       |

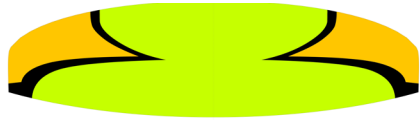
| <b>ÉLÉVATEURS</b>     | <b>MATÉRIAUX</b> | <b>FABRICANT</b>         |
|-----------------------|------------------|--------------------------|
| SANGLES               | G-R 22           | TECNI SANGLES (FRANCE)   |
| INDICATEUR DE COULEUR | PAD              | TECNI SANGLES (FRANCE)   |
| FIL                   | V138             | COATS (ROYAUME-UNI)      |
| MAILLONS              | MRI4             | ANSUNG PRECISION (CORÉE) |
| POULIE                | PY - 1304-2      | ANSUNG PRECISION (CORÉE) |





**DONNÉES TECHNIQUES DES COULEURS**

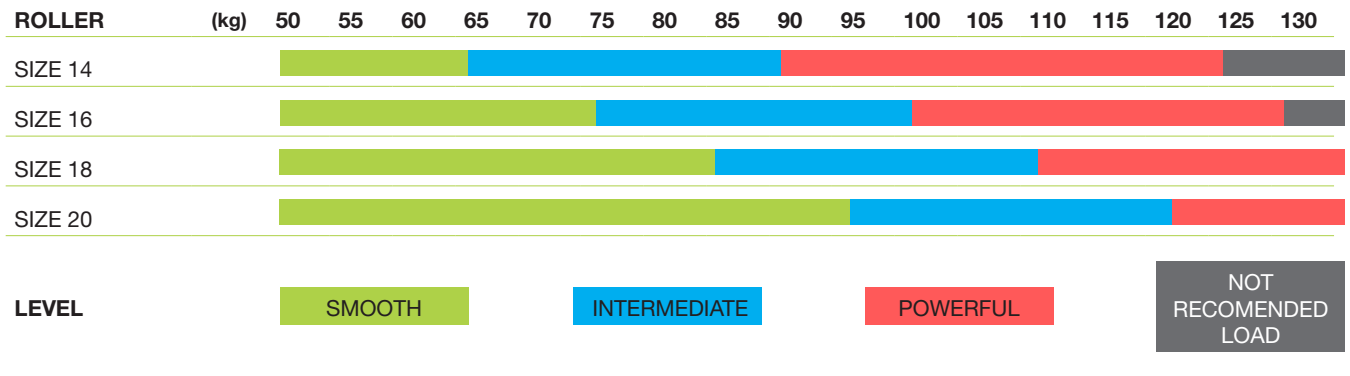
|               |     |       |           |          |
|---------------|-----|-------|-----------|----------|
| <b>ANANAS</b> | SB1 | LIMA  | EXTRADOS  | REF: 300 |
|               | SB2 | LIMA  | INTRADOS  | REF: 300 |
|               | SB3 | GOLD  | MOUSTACHE | REF: 939 |
|               | SB4 | BLACK | LISERE    | REF: 102 |



|               |     |        |           |          |
|---------------|-----|--------|-----------|----------|
| <b>HARDOS</b> | SB1 | ORANGE | EXTRADOS  | REF: 744 |
|               | SB2 | ORANGE | INTRADOS  | REF: 744 |
|               | SB3 | BLACK  | MOUSTACHE | REF: 102 |
|               | SB4 | WHITE  | LISERE    | REF: 001 |



**NIVEAU D'UTILISATION**



**DONNÉES SUSPENTES**

**ROLLER**

14

| REF.   | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg | COLOUR | m/m | REF.     | MAT. | kg  | COLOUR | m/m   |
|--------|------|-----|--------|-------|------|------|-----|--------|-------|------|------|-----|--------|-------|------|------|----|--------|-----|----------|------|-----|--------|-------|
| A      |      |     |        |       | B    |      |     |        |       | C    |      |     |        |       | D    |      |    |        |     | BRAKE    |      |     |        |       |
| a1     | DC   | 60  | WHT    | 1.264 | b1   | DC   | 60  | WHT    | 1.250 | c1   | DC   | 60  | WHT    | 1.027 | d1   | DC   | 60 | WHT    | 988 | br1      | DC   | 60  | WHT    | 1.041 |
| a2     | DC   | 60  | WHT    | 1.199 | b2   | DC   | 60  | WHT    | 1.186 | c2   | DC   | 60  | WHT    | 937   | d2   | DC   | 60 | WHT    | 974 | br2      | DC   | 60  | WHT    | 685   |
| a3     | DC   | 60  | WHT    | 1.179 | b3   | DC   | 60  | WHT    | 1.168 | c3   | DC   | 60  | WHT    | 905   | d3   | DC   | 60 | WHT    | 886 | br3      | DC   | 60  | WHT    | 666   |
| a4     | DC   | 60  | WHT    | 1.175 | b4   | DC   | 60  | WHT    | 1.156 | c4   | DC   | 60  | WHT    | 917   | d4   | DC   | 60 | WHT    | 783 | br4      | DC   | 60  | WHT    | 700   |
| a5     | DC   | 60  | WHT    | 1.175 | b5   | DC   | 60  | WHT    | 1.160 | c5   | DC   | 60  | WHT    | 928   |      |      |    |        |     | br5      | DC   | 60  | WHT    | 695   |
| a6     | DC   | 60  | WHT    | 1.214 | b6   | DC   | 60  | WHT    | 1.203 | c6   | DC   | 60  | WHT    | 989   |      |      |    |        |     | br6      | DC   | 60  | WHT    | 645   |
| a7     | DC   | 60  | WHT    | 1.131 | b7   | DC   | 60  | WHT    | 1.110 | c7   | DC   | 60  | WHT    | 917   |      |      |    |        |     | br7      | DC   | 60  | WHT    | 444   |
| a8     | DC   | 60  | WHT    | 1.089 | b8   | DC   | 60  | WHT    | 1.075 | c8   | DC   | 60  | WHT    | 860   |      |      |    |        |     | br8      | DC   | 60  | WHT    | 546   |
| a9     | DC   | 60  | WHT    | 1.078 | b9   | DC   | 60  | WHT    | 1.070 | c9   | DC   | 60  | WHT    | 846   |      |      |    |        |     |          |      |     |        |       |
| a10    | DC   | 60  | WHT    | 997   | b10  | DC   | 60  | WHT    | 982   | c10  | DC   | 60  | WHT    | 785   |      |      |    |        |     |          |      |     |        |       |
| a11    | DC   | 60  | WHT    | 970   | b11  | DC   | 60  | WHT    | 963   | c11  | DC   | 60  | WHT    | 775   |      |      |    |        |     |          |      |     |        |       |
| a12    | DC   | 60  | WHT    | 969   | b12  | DC   | 60  | WHT    | 969   | c12  | dc   | 60  | WHT    | 799   |      |      |    |        |     |          |      |     |        |       |
| a13    | DC   | 60  | WHT    | 1.310 | b13  | DC   | 60  | WHT    | 1.286 | c13  | DC   | 60  | WHT    | 1.341 |      |      |    |        |     |          |      |     |        |       |
| a14    | DC   | 60  | WHT    | 1.247 | b14  | DC   | 60  | WHT    | 1.238 | c14  | DC   | 60  | WHT    | 1.317 |      |      |    |        |     |          |      |     |        |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |     |          |      |     |        |       |
| 2A1    | PPSL | 120 | GREEN  | 866   | 2B1  | PPSL | 120 | BLUE   | 850   | 2C1  | PPSL | 120 | BLUE   | 573   |      |      |    |        |     | 2BR1     | TNL  | 140 | RED    | 729   |
| 2A2    | PPSL | 120 | GREEN  | 867   | 2B2  | PPSL | 120 | BLUE   | 862   | 2C2  | PPSL | 120 | BLUE   | 557   |      |      |    |        |     | 2BR2     | TNL  | 140 | RED    | 637   |
| 2A3    | PPSL | 120 | GREEN  | 1189  | 2B3  | PPSL | 120 | BLUE   | 1.165 | 2C3  | PPSL | 120 | BLUE   | 811   |      |      |    |        |     | 2BR3     | TNL  | 140 | RED    | 632   |
| 2A4    | PPSL | 120 | GREEN  | 1230  | 2B4  | PPSL | 120 | BLUE   | 1.226 | 2C4  | PPSL | 120 | BLUE   | 845   |      |      |    |        |     | 2BR4     | TNL  | 140 | RED    | 845   |
| 2stab1 | DC   | 60  | WHT    | 440   |      |      |     |        |       |      |      |     |        |       |      |      |    |        |     |          |      |     |        |       |
| 2stab2 | DC   | 60  | WHT    | 476   |      |      |     |        |       |      |      |     |        |       |      |      |    |        |     |          |      |     |        |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |     |          |      |     |        |       |
| 3A1    | TNL  | 400 | GREEN  | 2305  | 3B1  | TNL  | 400 | BLUE   | 2.261 | 3C1  | TNL  | 400 | BLUE   | 2.870 |      |      |    |        |     | 3BR1     | TNL  | 140 | RED    | 1.258 |
| 3A2    | TNL  | 400 | GREEN  | 2064  | 3B2  | TNL  | 280 | BLUE   | 2.057 | 3C2  | TNL  | 280 | BLUE   | 2.696 |      |      |    |        |     | 3BR2     | TNL  | 140 | RED    | 1.212 |
|        |      |     |        |       | stab | PPSL | 120 | RED    | 2.373 |      |      |     |        |       |      |      |    |        |     |          |      |     |        |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |     | brmain   | TNL  | 280 | RED    | 2.300 |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |     | Point a: |      |     |        | 2.100 |



**DONNÉES SUSPENTES**

**ROLLER**

**16**

| REF.   | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg | COLOUR | m/m   | REF.     | MAT. | kg  | COLOUR | m/m   |
|--------|------|-----|--------|-------|------|------|-----|--------|-------|------|------|-----|--------|-------|------|------|----|--------|-------|----------|------|-----|--------|-------|
| A      |      |     |        |       | B    |      |     |        |       | C    |      |     |        |       | D    |      |    |        |       | BRAKE    |      |     |        |       |
| a1     | DC   | 60  | WHT    | 1.350 | b1   | DC   | 60  | WHT    | 1.336 | c1   | DC   | 60  | WHT    | 1.098 | d1   | DC   | 60 | WHT    | 1.059 | br1      | DC   | 60  | WHT    | 1.110 |
| a2     | DC   | 60  | WHT    | 1.283 | b2   | DC   | 60  | WHT    | 1.269 | c2   | DC   | 60  | WHT    | 1.003 | d2   | DC   | 60 | WHT    | 1.042 | br2      | DC   | 60  | WHT    | 731   |
| a3     | DC   | 60  | WHT    | 1.263 | b3   | DC   | 60  | WHT    | 1.251 | c3   | DC   | 60  | WHT    | 970   | d3   | DC   | 60 | WHT    | 950   | br3      | DC   | 60  | WHT    | 711   |
| a4     | DC   | 60  | WHT    | 1.254 | b4   | DC   | 60  | WHT    | 1.234 | c4   | DC   | 60  | WHT    | 978   | d4   | DC   | 60 | WHT    | 840   | br4      | DC   | 60  | WHT    | 749   |
| a5     | DC   | 60  | WHT    | 1.256 | b5   | DC   | 60  | WHT    | 1.240 | c5   | DC   | 60  | WHT    | 991   |      |      |    |        |       | br5      | DC   | 60  | WHT    | 742   |
| a6     | DC   | 60  | WHT    | 1.299 | b6   | DC   | 60  | WHT    | 1.287 | c6   | DC   | 60  | WHT    | 1.058 |      |      |    |        |       | br6      | DC   | 60  | WHT    | 690   |
| a7     | DC   | 60  | WHT    | 1.209 | b7   | DC   | 60  | WHT    | 1.187 | c7   | DC   | 60  | WHT    | 980   |      |      |    |        |       | br7      | DC   | 60  | WHT    | 473   |
| a8     | DC   | 60  | WHT    | 1.165 | b8   | DC   | 60  | WHT    | 1.149 | c8   | DC   | 60  | WHT    | 920   |      |      |    |        |       | br8      | DC   | 60  | WHT    | 584   |
| a9     | DC   | 60  | WHT    | 1.154 | b9   | DC   | 60  | WHT    | 1.144 | c9   | DC   | 60  | WHT    | 905   |      |      |    |        |       |          |      |     |        |       |
| a10    | DC   | 60  | WHT    | 1.066 | b10  | DC   | 60  | WHT    | 1.049 | c10  | DC   | 60  | WHT    | 839   |      |      |    |        |       |          |      |     |        |       |
| a11    | DC   | 60  | WHT    | 1.038 | b11  | DC   | 60  | WHT    | 1.029 | c11  | DC   | 60  | WHT    | 829   |      |      |    |        |       |          |      |     |        |       |
| a12    | DC   | 60  | WHT    | 1.037 | b12  | DC   | 60  | WHT    | 1.037 | c12  | dc   | 60  | WHT    | 855   |      |      |    |        |       |          |      |     |        |       |
| a13    | DC   | 60  | WHT    | 1.401 | b13  | DC   | 60  | WHT    | 1.374 | c13  | DC   | 60  | WHT    | 1.433 |      |      |    |        |       |          |      |     |        |       |
| a14    | DC   | 60  | WHT    | 1.334 | b14  | DC   | 60  | WHT    | 1.324 | c14  | DC   | 60  | WHT    | 1.408 |      |      |    |        |       |          |      |     |        |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |          |      |     |        |       |
| 2A1    | PPSL | 120 | GREEN  | 922   | 2B1  | PPSL | 120 | BLUE   | 905   | 2C1  | PPSL | 120 | BLUE   | 609   |      |      |    |        |       | 2BR1     | TNL  | 140 | RED    | 778   |
| 2A2    | PPSL | 120 | GREEN  | 930   | 2B2  | PPSL | 120 | BLUE   | 924   | 2C2  | PPSL | 120 | BLUE   | 599   |      |      |    |        |       | 2BR2     | TNL  | 140 | RED    | 680   |
| 2A3    | PPSL | 120 | GREEN  | 1270  | 2B3  | PPSL | 120 | BLUE   | 1.245 | 2C3  | PPSL | 120 | BLUE   | 866   |      |      |    |        |       | 2BR3     | TNL  | 140 | RED    | 676   |
| 2A4    | PPSL | 120 | GREEN  | 1316  | 2B4  | PPSL | 120 | BLUE   | 1.312 | 2C4  | PPSL | 120 | BLUE   | 904   |      |      |    |        |       | 2BR4     | TNL  | 140 | RED    | 907   |
| 2stab1 | DC   | 60  | WHT    | 471   |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |          |      |     |        |       |
| 2stab2 | DC   | 60  | WHT    | 508   |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |          |      |     |        |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |          |      |     |        |       |
| 3A1    | TNL  | 400 | GREEN  | 2499  | 3B1  | TNL  | 400 | BLUE   | 2.453 | 3C1  | TNL  | 400 | BLUE   | 3.104 |      |      |    |        |       | 3BR1     | TNL  | 140 | RED    | 1.343 |
| 3A2    | TNL  | 400 | GREEN  | 2249  | 3B2  | TNL  | 280 | BLUE   | 2.241 | 3C2  | TNL  | 280 | BLUE   | 2.923 |      |      |    |        |       | 3BR2     | TNL  | 140 | RED    | 1.297 |
|        |      |     |        |       | stab | PPSL | 120 | RED    | 2.580 |      |      |     |        |       |      |      |    |        |       |          |      |     |        |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       | brmain   | TNL  | 280 | RED    | 2.486 |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       | Point a: |      |     |        | 2.286 |

**DONNÉES SUSPENTES**

**ROLLER**

**18**

| REF.   | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg | COLOUR | m/m   |       |          |      |     |       |       |       |
|--------|------|-----|--------|-------|------|------|-----|--------|-------|------|------|-----|--------|-------|------|------|----|--------|-------|-------|----------|------|-----|-------|-------|-------|
| A      |      |     |        |       | B    |      |     |        |       | C    |      |     |        |       | D    |      |    |        |       | BRAKE |          |      |     |       |       |       |
| a1     | DC   | 60  | WHT    | 1.432 | b1   | DC   | 60  | WHT    | 1.416 | c1   | DC   | 60  | WHT    | 1.164 | d1   | DC   | 60 | WHT    | 1.126 | br1   | DC       | 60   | WHT | 1.176 |       |       |
| a2     | DC   | 60  | WHT    | 1.361 | b2   | DC   | 60  | WHT    | 1.346 | c2   | DC   | 60  | WHT    | 1.065 | d2   | DC   | 60 | WHT    | 1.107 |       | br2      | DC   | 60  | WHT   | 775   |       |
| a3     | DC   | 60  | WHT    | 1.342 | b3   | DC   | 60  | WHT    | 1.329 | c3   | DC   | 60  | WHT    | 1.031 | d3   | DC   | 60 | WHT    | 1.010 |       | br3      | DC   | 60  | WHT   | 753   |       |
| a4     | DC   | 60  | WHT    | 1.328 | b4   | DC   | 60  | WHT    | 1.307 | c4   | DC   | 60  | WHT    | 1.036 | d4   | DC   | 60 | WHT    | 893   |       | br4      | DC   | 60  | WHT   | 795   |       |
| a5     | DC   | 60  | WHT    | 1.331 | b5   | DC   | 60  | WHT    | 1.314 | c5   | DC   | 60  | WHT    | 1.050 |      |      |    |        |       |       | br5      | DC   | 60  | WHT   | 787   |       |
| a6     | DC   | 60  | WHT    | 1.378 | b6   | DC   | 60  | WHT    | 1.366 | c6   | DC   | 60  | WHT    | 1.123 |      |      |    |        |       |       | br6      | DC   | 60  | WHT   | 733   |       |
| a7     | DC   | 60  | WHT    | 1.282 | b7   | DC   | 60  | WHT    | 1.259 | c7   | DC   | 60  | WHT    | 1.039 |      |      |    |        |       |       | br7      | DC   | 60  | WHT   | 501   |       |
| a8     | DC   | 60  | WHT    | 1.236 | b8   | DC   | 60  | WHT    | 1.219 | c8   | DC   | 60  | WHT    | 976   |      |      |    |        |       |       | br8      | DC   | 60  | WHT   | 620   |       |
| a9     | DC   | 60  | WHT    | 1.224 | b9   | DC   | 60  | WHT    | 1.214 | c9   | DC   | 60  | WHT    | 960   |      |      |    |        |       |       |          |      |     |       |       |       |
| a10    | DC   | 60  | WHT    | 1.130 | b10  | DC   | 60  | WHT    | 1.112 | c10  | DC   | 60  | WHT    | 889   |      |      |    |        |       |       |          |      |     |       |       |       |
| a11    | DC   | 60  | WHT    | 1.101 | b11  | DC   | 60  | WHT    | 1.092 | c11  | DC   | 60  | WHT    | 879   |      |      |    |        |       |       |          |      |     |       |       |       |
| a12    | DC   | 60  | WHT    | 1.100 | b12  | DC   | 60  | WHT    | 1.100 | c12  | dc   | 60  | WHT    | 907   |      |      |    |        |       |       |          |      |     |       |       |       |
| a13    | DC   | 60  | WHT    | 1.487 | b13  | DC   | 60  | WHT    | 1.458 | c13  | DC   | 60  | WHT    | 1.520 |      |      |    |        |       |       |          |      |     |       |       |       |
| a14    | DC   | 60  | WHT    | 1.415 | b14  | DC   | 60  | WHT    | 1.405 | c14  | DC   | 60  | WHT    | 1.493 |      |      |    |        |       |       |          |      |     |       |       |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |       |          |      |     |       |       |       |
| 2A1    | PPSL | 120 | GREEN  | 975   | 2B1  | PPSL | 120 | BLUE   | 957   | 2C1  | PPSL | 120 | BLUE   | 643   |      |      |    |        |       | 2BR1  | TNL      | 140  | RED | 824   |       |       |
| 2A2    | PPSL | 120 | GREEN  | 989   | 2B2  | PPSL | 120 | BLUE   | 982   | 2C2  | PPSL | 120 | BLUE   | 637   |      |      |    |        |       |       | 2BR2     | TNL  | 140 | RED   | 722   |       |
| 2A3    | PPSL | 120 | GREEN  | 1346  | 2B3  | PPSL | 120 | BLUE   | 1.320 | 2C3  | PPSL | 120 | BLUE   | 918   |      |      |    |        |       |       | 2BR3     | TNL  | 140 | RED   | 717   |       |
| 2A4    | PPSL | 120 | GREEN  | 1397  | 2B4  | PPSL | 120 | BLUE   | 1.393 | 2C4  | PPSL | 120 | BLUE   | 960   |      |      |    |        |       |       | 2BR4     | TNL  | 140 | RED   | 965   |       |
| 2stab1 | DC   | 60  | WHT    | 499   |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |       |          |      |     |       |       |       |
| 2stab2 | DC   | 60  | WHT    | 538   |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |       |          |      |     |       |       |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |       |          |      |     |       |       |       |
| 3A1    | TNL  | 400 | GREEN  | 2682  | 3B1  | TNL  | 400 | BLUE   | 2.633 | 3C1  | TNL  | 400 | BLUE   | 3.324 |      |      |    |        |       |       | 3BR1     | TNL  | 140 | RED   | 1.423 |       |
| 3A2    | TNL  | 400 | GREEN  | 2422  | 3B2  | TNL  | 280 | BLUE   | 2.414 | 3C2  | TNL  | 280 | BLUE   | 3.138 |      |      |    |        |       |       |          | 3BR2 | TNL | 140   | RED   | 1.377 |
|        |      |     |        |       | stab | PPSL | 120 | RED    | 2.775 |      |      |     |        |       |      |      |    |        |       |       |          |      |     |       |       |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |       | brmain   | TNL  | 280 | RED   | 2.661 |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |       | Point a: |      |     | 2.461 |       |       |

**DONNÉES SUSPENTES**

| ROLLER |      |     |        |       | 20   |      |     |        |       |      |      |     |        |       |      |      |    |        |       |          |      |     |        |       |
|--------|------|-----|--------|-------|------|------|-----|--------|-------|------|------|-----|--------|-------|------|------|----|--------|-------|----------|------|-----|--------|-------|
| REF.   | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg  | COLOUR | m/m   | REF. | MAT. | kg | COLOUR | m/m   | REF.     | MAT. | kg  | COLOUR | m/m   |
| A      |      |     |        |       | B    |      |     |        |       | C    |      |     |        |       | D    |      |    |        |       | BRAKE    |      |     |        |       |
| a1     | DC   | 60  | WHT    | 1.509 | b1   | DC   | 60  | WHT    | 1.493 | c1   | DC   | 60  | WHT    | 1.227 | d1   | DC   | 60 | WHT    | 1.189 | br1      | DC   | 60  | WHT    | 1.237 |
| a2     | DC   | 60  | WHT    | 1.436 | b2   | DC   | 60  | WHT    | 1.420 | c2   | DC   | 60  | WHT    | 1.123 | d2   | DC   | 60 | WHT    | 1.167 | br2      | DC   | 60  | WHT    | 816   |
| a3     | DC   | 60  | WHT    | 1.416 | b3   | DC   | 60  | WHT    | 1.403 | c3   | DC   | 60  | WHT    | 1.089 | d3   | DC   | 60 | WHT    | 1.067 | br3      | DC   | 60  | WHT    | 793   |
| a4     | DC   | 60  | WHT    | 1.398 | b4   | DC   | 60  | WHT    | 1.376 | c4   | DC   | 60  | WHT    | 1.090 | d4   | DC   | 60 | WHT    | 943   | br4      | DC   | 60  | WHT    | 839   |
| a5     | DC   | 60  | WHT    | 1.403 | b5   | DC   | 60  | WHT    | 1.385 | c5   | DC   | 60  | WHT    | 1.107 |      |      |    |        |       | br5      | DC   | 60  | WHT    | 829   |
| a6     | DC   | 60  | WHT    | 1.453 | b6   | DC   | 60  | WHT    | 1.440 | c6   | DC   | 60  | WHT    | 1.184 |      |      |    |        |       | br6      | DC   | 60  | WHT    | 774   |
| a7     | DC   | 60  | WHT    | 1.351 | b7   | DC   | 60  | WHT    | 1.326 | c7   | DC   | 60  | WHT    | 1.096 |      |      |    |        |       | br7      | DC   | 60  | WHT    | 528   |
| a8     | DC   | 60  | WHT    | 1.303 | b8   | DC   | 60  | WHT    | 1.285 | c8   | DC   | 60  | WHT    | 1.028 |      |      |    |        |       | br8      | DC   | 60  | WHT    | 653   |
| a9     | DC   | 60  | WHT    | 1.291 | b9   | DC   | 60  | WHT    | 1.280 | c9   | DC   | 60  | WHT    | 1.012 |      |      |    |        |       |          |      |     |        |       |
| a10    | DC   | 60  | WHT    | 1.191 | b10  | DC   | 60  | WHT    | 1.172 | c10  | DC   | 60  | WHT    | 937   |      |      |    |        |       |          |      |     |        |       |
| a11    | DC   | 60  | WHT    | 1.160 | b11  | DC   | 60  | WHT    | 1.151 | c11  | DC   | 60  | WHT    | 926   |      |      |    |        |       |          |      |     |        |       |
| a12    | DC   | 60  | WHT    | 1.160 | b12  | DC   | 60  | WHT    | 1.160 | c12  | dc   | 60  | WHT    | 956   |      |      |    |        |       |          |      |     |        |       |
| a13    | DC   | 60  | WHT    | 1.567 | b13  | DC   | 60  | WHT    | 1.537 | c13  | DC   | 60  | WHT    | 1.602 |      |      |    |        |       |          |      |     |        |       |
| a14    | DC   | 60  | WHT    | 1.492 | b14  | DC   | 60  | WHT    | 1.481 | c14  | DC   | 60  | WHT    | 1.574 |      |      |    |        |       |          |      |     |        |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |          |      |     |        |       |
| 2A1    | PPSL | 120 | GREEN  | 1025  | 2B1  | PPSL | 120 | BLUE   | 1.007 | 2C1  | PPSL | 120 | BLUE   | 676   |      |      |    |        |       | 2BR1     | TNL  | 140 | RED    | 867   |
| 2A2    | PPSL | 120 | GREEN  | 1044  | 2B2  | PPSL | 120 | BLUE   | 1.037 | 2C2  | PPSL | 120 | BLUE   | 674   |      |      |    |        |       | 2BR2     | TNL  | 140 | RED    | 761   |
| 2A3    | PPSL | 120 | GREEN  | 1418  | 2B3  | PPSL | 120 | BLUE   | 1.391 | 2C3  | PPSL | 120 | BLUE   | 967   |      |      |    |        |       | 2BR3     | TNL  | 140 | RED    | 756   |
| 2A4    | PPSL | 120 | GREEN  | 1474  | 2B4  | PPSL | 120 | BLUE   | 1.469 | 2C4  | PPSL | 120 | BLUE   | 1.013 |      |      |    |        |       | 2BR4     | TNL  | 140 | RED    | 1.020 |
| 2stab1 | DC   | 60  | WHT    | 526   |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |          |      |     |        |       |
| 2stab2 | DC   | 60  | WHT    | 567   |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |          |      |     |        |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       |          |      |     |        |       |
| 3A1    | TNL  | 400 | GREEN  | 2854  | 3B1  | TNL  | 400 | BLUE   | 2.804 | 3C1  | TNL  | 400 | BLUE   | 3.532 |      |      |    |        |       | 3BR1     | TNL  | 140 | RED    | 1.498 |
| 3A2    | TNL  | 400 | GREEN  | 2587  | 3B2  | TNL  | 280 | BLUE   | 2.578 | 3C2  | TNL  | 280 | BLUE   | 3.340 |      |      |    |        |       | 3BR2     | TNL  | 140 | RED    | 1.453 |
|        |      |     |        |       | stab | PPSL | 120 | RED    | 2.960 |      |      |     |        |       |      |      |    |        |       |          |      |     |        |       |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       | brmain   | TNL  | 280 | RED    | 2.827 |
|        |      |     |        |       |      |      |     |        |       |      |      |     |        |       |      |      |    |        |       | Point a: |      |     |        | 2.627 |

NIVIUK ROLLER 14

LONGUEURS TOTALES m/m

|    | A    | B    | C    | D    | br   |
|----|------|------|------|------|------|
| 1  | 4425 | 4351 | 4460 | 4421 | 5128 |
| 2  | 4360 | 4287 | 4370 | 4391 | 4772 |
| 3  | 4340 | 4269 | 4338 | 4383 | 4661 |
| 4  | 4337 | 4269 | 4334 | 4314 | 4695 |
| 5  | 4337 | 4273 | 4345 |      | 4639 |
| 6  | 4376 | 4316 | 4406 |      | 4589 |
| 7  | 4374 | 4322 | 4414 |      | 4601 |
| 8  | 4332 | 4287 | 4357 |      | 4703 |
| 9  | 4321 | 4282 | 4343 |      |      |
| 10 | 4281 | 4255 | 4316 |      |      |
| 11 | 4254 | 4236 | 4306 |      |      |
| 12 | 4253 | 4242 | 4330 |      |      |
| 13 | 4118 | 4094 | 4149 |      |      |
| 14 | 4091 | 4082 | 4161 |      |      |

LONGUEURS DES ÉLÉVATEURS m/m

|  | A   | B   | C   |               |
|--|-----|-----|-----|---------------|
|  | 480 | 480 | 480 | NEUTRE        |
|  | 480 | 507 | 580 | TRIMS OUVERTS |
|  | 390 | 445 | 580 | ACCÉLÉRÉE     |

NIVIUK ROLLER 16

LONGUEURS TOTALES m/m

|    | A    | B    | C    | D    | br   |
|----|------|------|------|------|------|
| 1  | 4761 | 4684 | 4801 | 4762 | 5517 |
| 2  | 4694 | 4617 | 4706 | 4735 | 5138 |
| 3  | 4674 | 4599 | 4673 | 4729 | 5020 |
| 4  | 4673 | 4601 | 4671 | 4657 | 5058 |
| 5  | 4675 | 4607 | 4684 |      | 5001 |
| 6  | 4718 | 4654 | 4751 |      | 4949 |
| 7  | 4718 | 4663 | 4759 |      | 4963 |
| 8  | 4674 | 4625 | 4699 |      | 5074 |
| 9  | 4663 | 4620 | 4684 |      |      |
| 10 | 4621 | 4592 | 4656 |      |      |
| 11 | 4593 | 4572 | 4646 |      |      |
| 12 | 4592 | 4580 | 4672 |      |      |
| 13 | 4447 | 4420 | 4479 |      |      |
| 14 | 4417 | 4407 | 4491 |      |      |

LONGUEURS DES ÉLÉVATEURS m/m

|  | A   | B   | C   |               |
|--|-----|-----|-----|---------------|
|  | 480 | 480 | 480 | NEUTRE        |
|  | 480 | 507 | 580 | TRIMS OUVERTS |
|  | 390 | 445 | 580 | ACCÉLÉRÉE     |

NIVIUK ROLLER 18

LONGUEURS TOTALES m/m

|    | A    | B    | C    | D    | br   |
|----|------|------|------|------|------|
| 1  | 5079 | 4996 | 5121 | 5083 | 5884 |
| 2  | 5008 | 4926 | 5022 | 5058 | 5483 |
| 3  | 4989 | 4909 | 4988 | 5056 | 5359 |
| 4  | 4989 | 4912 | 4987 | 4981 | 5401 |
| 5  | 4992 | 4919 | 5001 |      | 5342 |
| 6  | 5039 | 4971 | 5074 |      | 5288 |
| 7  | 5040 | 4983 | 5085 |      | 5304 |
| 8  | 4994 | 4943 | 5022 |      | 5423 |
| 9  | 4982 | 4938 | 5006 |      |      |
| 10 | 4939 | 4909 | 4977 |      |      |
| 11 | 4910 | 4889 | 4967 |      |      |
| 12 | 4909 | 4897 | 4995 |      |      |
| 13 | 4756 | 4727 | 4789 |      |      |
| 14 | 4723 | 4713 | 4801 |      |      |

LONGUEURS DES ÉLÉVATEURS m/m

|  | A   | B   | C   |               |
|--|-----|-----|-----|---------------|
|  | 480 | 480 | 480 | NEUTRE        |
|  | 480 | 507 | 580 | TRIMS OUVERTS |
|  | 390 | 445 | 580 | ACCÉLÉRÉE     |

NIVIUK ROLLER 20

LONGUEURS TOTALES m/m

|    | A    | B    | C    | D    | br   |
|----|------|------|------|------|------|
| 1  | 5378 | 5294 | 5435 | 5397 | 6229 |
| 2  | 5305 | 5221 | 5331 | 5373 | 5808 |
| 3  | 5285 | 5204 | 5297 | 5374 | 5679 |
| 4  | 5286 | 5207 | 5296 | 5296 | 5725 |
| 5  | 5291 | 5216 | 5313 |      | 5665 |
| 6  | 5341 | 5271 | 5390 |      | 5610 |
| 7  | 5346 | 5285 | 5403 |      | 5628 |
| 8  | 5298 | 5244 | 5335 |      | 5753 |
| 9  | 5286 | 5239 | 5319 |      |      |
| 10 | 5242 | 5209 | 5290 |      |      |
| 11 | 5211 | 5188 | 5279 |      |      |
| 12 | 5211 | 5197 | 5309 |      |      |
| 13 | 5048 | 5018 | 5088 |      |      |
| 14 | 5014 | 5003 | 5101 |      |      |

LONGUEURS DES ÉLÉVATEURS m/m

|  | A   | B   | C   |               |
|--|-----|-----|-----|---------------|
|  | 480 | 480 | 480 | NEUTRE        |
|  | 480 | 507 | 580 | TRIMS OUVERTS |
|  | 390 | 445 | 580 | ACCÉLÉRÉE     |

**DONNÉES TECHNIQUES SUSPENTAGE**
**ROLLER**

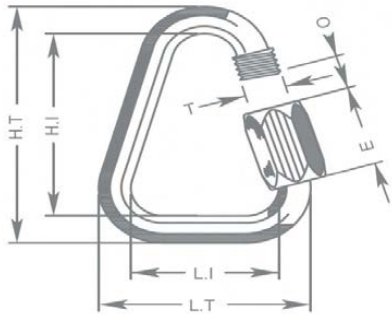
|   |              |         |           |           |           |           |
|---|--------------|---------|-----------|-----------|-----------|-----------|
| CODE MATÉRIEL                               |              | DC      | DC        | DC        | TNL       | TNL       |
| CODE CHARGE                                 |              | 060     | 120       | 140       | 280       | 400       |
| DIAMÈTRE EN m/m                             | Ø            | 0,6     | 1,15      | 1,4       | 1,8       | 2,3       |
| MATÉRIEL AME                                |              | DYNEEMA | DYNEEMA   | TECHNORA  | TECHNORA  | TECHNORA  |
| MATÉRIEL GAINÉ                              |              | NON     | POLYESTER | POLYESTER | POLYESTER | POLYESTER |
| POIDS METRIQUE g/m                          | TOTAL        | 0,24    | 1         | 1,2       | 2,7       | 4         |
| CHARGE DE RUPTURE                           | MINIMUM      | 60      | 120       | 140       | 280       | 460       |
|   | MAXIMUM      | 84      | 159       | 160       | 320       | 470       |
| RÉSISTANCE APRÈS<br>5,000 CYCLES DE FLEXION | TEST EN      | 74      | 135       | 76,1      | 134,7     | 160,1     |
| ALLONGEMENT A                               | 5 dan en %   |         |           | 0,2       | 0,2       | 0,05      |
|   | 10 dan en %  | 0,43    | 0,2       | 0,3       | 0,3       | 0,1       |
|   | 15 dan en %  |         |           | 0,5       | 0,4       | 0,2       |
|   | 20 dan en %  |         |           | 0,6       | 0,4       | 0,2       |
|   | 25 dan en %  |         |           | 0,8       | 0,5       | 0,3       |
|   | 30 dan en %  | 1,2     | 0,6       | 1,5       | 0,9       | 0,6       |
|   | 75 dan en %  |         |           | 2,3       | 1,3       | 0,8       |
|   | 100 dan en % |         |           | 2,7       | 1,7       | 1,1       |
|   | 125 dan en % |         |           | 3,2       | 2         | 1,4       |
|   | 150 dan en % |         |           |           | 2,3       | 1,7       |
|   | 175 dan en % |         |           |           | 2,7       | 2         |
|   | 200 dan en % |         |           |           | 2,8       | 2,2       |
|   | 250 dan en % |         |           |           |           |           |
| ALLONGEMENT A LA CHARGE DE RUPTURE %        |              | 3,2     | 2         | 3,4       | 4,1       | 4,6       |

## DONNÉES TECHNIQUES MAILLON

### DESCRIPTION

|          |                 |
|----------|-----------------|
| MAILLON  | DELTA           |
| REF.     | MRI4            |
| MATÉRIEL | STAINLESS STEEL |
| DIAMÈTRE | 4,3 m/m         |
| POIDS    | 12 g/piece      |

### DONNÉES TECHNIQUES



| DIMENSIONS | m/m |
|------------|-----|
| L.T.       | 28  |
| L.I.       | 20  |
| H.T.       | 38  |
| H.I.       | 30  |
| O          | 4   |
| E          | 11  |
| T          | 4   |
| CHARGE     | kg  |
| UTILE      | 150 |
| RUPTURE    | 750 |

### MATÉRIEL

AISI 304 ACIER INOXYDABLE

STANDARD

UNE FERMETURE MANUELLE ET TOTALEMENT VISSÉE POUR GARANTIR UNE SÉCURITÉ MAXIMALE (LA SPIRALE EN MÉTAL NE DOIT PLUS APPARAÎTRE)

CONTRÔLE SYSTÉMATIQUE DES MAILLONS RAPIDES AVANT CHAQUE VOL

**DONNÉES TECHNIQUES FIL****CARACTÉRISTIQUES DU FIL DE COUTURE**

|                   |                          |
|-------------------|--------------------------|
| NOM               | SERAFIL                  |
| N° DE REFERENCE   | 60                       |
| MATÉRIEL          | POLYESTER                |
| FINITION          | SILK                     |
| DENSITÉ LINÉAIRE  | NM 61 / 3 (DTEX 163 * 3) |
| CHARGE DE RUPTURE | 3,000 CN                 |
| ALLONGEMENT       | 17,00%                   |

**PROPRIÉTÉS SERAFIL**

|                                    |                     |
|------------------------------------|---------------------|
| SOLIDITÉ A LA LUMIÈRE ARTIFICIELLE | ISO 105 B02 > 5 - 6 |
| SOLIDITÉ A LA SUEUR                | ISO 105 E04 > 4     |
| SOLIDITÉ AU LAVAGE                 | ISO 105 C04 > 3     |
| SOLIDITÉ AU FROTTEMENT A SEC       | ISO 105 X12 > 4     |
| SOLIDITÉ AU LAVAGE EN SÈCHERESSE   | ISO 105 D01 > 3 - 4 |

|           |    |
|-----------|----|
| DEPERLANT | WR |
|-----------|----|

**CARACTÉRISTIQUES DES ÉLÉVATEURS**

|                   |                     |
|-------------------|---------------------|
| NOM               | COATS BONDED C.F.P. |
| N° DE REFERENCE   | V138                |
| MATÉRIEL          | POLYESTER           |
| FINITION          | SILK                |
| CHARGE DE RUPTURE | 9,5 KG              |
| ALLONGEMENT       | 19%                 |

**DONNÉES TECHNIQUES ÉLÉVATEURS****ÉLÉVATEURS**

|                   |            |
|-------------------|------------|
| RÉFÉRENCE         | G-R 22     |
| MATÉRIEL          | POLYESTER  |
| LARGEUR           | 22 m/m     |
| ÉPAISSEUR         | 1,52 m/m   |
| CHARGE DE RUPTURE | 1,100 DAN  |
| ALLONGEMENT       | MAX. 15%   |
| POIDS             | 25 g* L.M. |
| COULEUR           | NOIR       |

**INDICATEUR DE COULEUR**

|                   |            |
|-------------------|------------|
| RÉFÉRENCE         | IC-G 1-2   |
| MATÉRIEL          | POLYESTER  |
| LARGEUR           | 70 m/m     |
| ÉPAISSEUR         | 0,80 m/m   |
| CHARGE DE RUPTURE | 130 DN     |
| ALLONGEMENT       | 35 %       |
| POIDS             | 32 g* L.M. |
| COULEUR           | VERT       |

**POINT D'ATTACHE**

|                   |          |
|-------------------|----------|
| RÉFÉRENCE         | LKI - 10 |
| MATÉRIEL          | NYLON    |
| LARGEUR           | 10 m/m   |
| CHARGE DE RUPTURE | 84 kg    |
| ALLONGEMENT       | 30 %     |
| POIDS             | 5,5 g/m  |
| COULEUR           | BLANC    |



