

Plano de linhas

Kangaroo FOUR
LTF / EN C

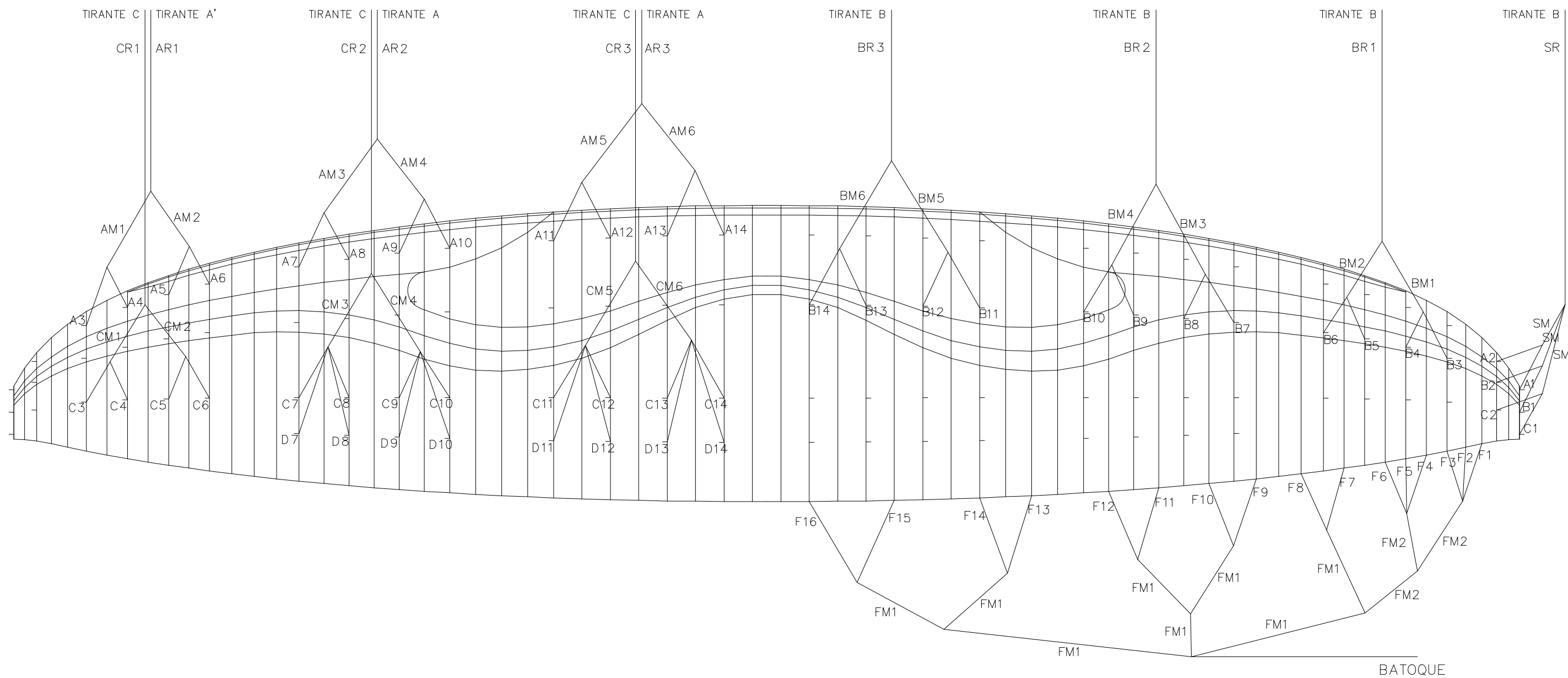


Versão 1 5/2019

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Comprimento dos tirantes

Medida original

A = 35,5 cm
 A' = 35,5 cm
 B = 35,5 cm
 C = 35,5 cm



Medida sem os mosquetinhos.

Medida acelerado

A = 35,5 cm
 A' = 35,5 cm
 B = 35,5 cm
 C = 39,5 cm



Medida sem os mosquetinhos.

Comprimento de linhas**Kangaroo 4 S**

| | A | B | C | D | F |
|----|------|------|------|------|------|
| 1 | 8054 | 8078 | 8132 | | 8554 |
| 2 | 8164 | 8138 | 8167 | | 8551 |
| 3 | 8403 | 8391 | 8384 | | 8573 |
| 4 | 8489 | 8473 | 8476 | | 8592 |
| 5 | 8601 | 8576 | 8585 | | 8607 |
| 6 | 8724 | 8690 | 8705 | | 8656 |
| 7 | 8878 | 8833 | 8854 | 8938 | 8717 |
| 8 | 8869 | 8817 | 8846 | 8940 | 8787 |
| 9 | 8902 | 8844 | 8878 | 8980 | 8813 |
| 10 | 8982 | 8921 | 8958 | 9062 | 8826 |
| 11 | 9049 | 8984 | 9027 | 9142 | 8873 |
| 12 | 9010 | 8942 | 8991 | 9112 | 8958 |
| 13 | 9034 | 8965 | 9016 | 9139 | 9114 |
| 14 | 9119 | 9053 | 9103 | 9223 | 9177 |
| 15 | | | | | 9386 |
| 16 | | | | | 9676 |



Medida inclui tirante e mosquetinhos com 5 daN de tensão
Freio não inclui medida do tirante

Kangaroo 4

| | A | B | C | D | F |
|----|------|------|------|------|------|
| 1 | 8300 | 8326 | 8381 | | 8809 |
| 2 | 8414 | 8387 | 8418 | | 8807 |
| 3 | 8660 | 8648 | 8638 | | 8829 |
| 4 | 8749 | 8732 | 8733 | | 8850 |
| 5 | 8864 | 8838 | 8845 | | 8866 |
| 6 | 8990 | 8956 | 8967 | | 8917 |
| 7 | 9148 | 9101 | 9120 | 9207 | 8979 |
| 8 | 9138 | 9084 | 9111 | 9208 | 9051 |
| 9 | 9171 | 9112 | 9143 | 9249 | 9079 |
| 10 | 9253 | 9190 | 9225 | 9332 | 9092 |
| 11 | 9321 | 9254 | 9295 | 9413 | 9139 |
| 12 | 9280 | 9210 | 9256 | 9381 | 9226 |
| 13 | 9304 | 9233 | 9282 | 9409 | 9385 |
| 14 | 9391 | 9323 | 9371 | 9495 | 9448 |
| 15 | | | | | 9662 |
| 16 | | | | | 9958 |



Medida inclui tirante e mosquetinhos com 5 daN de tensão
Freio não inclui medida do tirante

Kangaroo 4 L

| | A | B | C | D | F |
|----|------|------|------|------|-------|
| 1 | 8629 | 8656 | 8714 | | 9160 |
| 2 | 8747 | 8720 | 8752 | | 9159 |
| 3 | 9003 | 8991 | 8983 | | 9184 |
| 4 | 9095 | 9078 | 9081 | | 9206 |
| 5 | 9215 | 9188 | 9197 | | 9223 |
| 6 | 9345 | 9309 | 9324 | | 9277 |
| 7 | 9508 | 9459 | 9481 | 9572 | 9341 |
| 8 | 9497 | 9441 | 9471 | 9572 | 9417 |
| 9 | 9531 | 9469 | 9503 | 9613 | 9445 |
| 10 | 9615 | 9549 | 9587 | 9699 | 9459 |
| 11 | 9683 | 9614 | 9658 | 9782 | 9508 |
| 12 | 9640 | 9567 | 9617 | 9747 | 9598 |
| 13 | 9664 | 9591 | 9643 | 9775 | 9761 |
| 14 | 9754 | 9682 | 9735 | 9863 | 9826 |
| 15 | | | | | 10046 |
| 16 | | | | | 10350 |



Medida inclui tirante e mosquetinhos com 5 daN de tensão
Freio não inclui medida do tirante



Comprimento de linhas individuais

Kangaroo 4 S

| Nome | Referencia da linha | Diametro / mm | Numero de linhas | Comprimento / mm | |
|------|---------------------|---------------|------------------|------------------|------|
| A1 | Cousin Vectran | 12100 | 0.6 | 2 | 852 |
| A2 | Cousin Vectran | 12100 | 0.6 | 2 | 962 |
| A3 | Cousin Vectran | 16330 | 1.0 | 2 | 1031 |
| A4 | Cousin Vectran | 16330 | 1.0 | 2 | 1117 |
| A5 | Cousin Vectran | 16330 | 1.0 | 2 | 1229 |
| A6 | Cousin Vectran | 16330 | 1.0 | 2 | 1352 |
| A7 | Cousin Vectran | 16330 | 1.0 | 2 | 1510 |
| A8 | Cousin Vectran | 16330 | 1.0 | 2 | 1501 |
| A9 | Cousin Vectran | 16330 | 1.0 | 2 | 1534 |
| A10 | Cousin Vectran | 16330 | 1.0 | 2 | 1614 |
| A11 | Cousin Vectran | 16330 | 1.0 | 2 | 1681 |
| A12 | Cousin Vectran | 16330 | 1.0 | 2 | 1642 |
| A13 | Cousin Vectran | 16330 | 1.0 | 2 | 1666 |
| A14 | Cousin Vectran | 16330 | 1.0 | 2 | 1751 |
| AM1 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| AM2 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| AM3 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| AM4 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| AM5 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| AM6 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| AR1 | Cousin Technora | 988 | 2.18 | 2 | 5670 |
| AR2 | Cousin Technora | 988 | 2.5 | 2 | 5670 |
| AR3 | Cousin Technora | 988 | 2.5 | 2 | 5670 |
| B1 | Cousin Vectran | 12100 | 0.6 | 2 | 876 |
| B2 | Cousin Vectran | 12100 | 0.6 | 2 | 936 |
| B3 | Cousin Vectran | 16330 | 1.0 | 2 | 1019 |
| B4 | Cousin Vectran | 16330 | 1.0 | 2 | 1101 |
| B5 | Cousin Vectran | 16330 | 1.0 | 2 | 1204 |
| B6 | Cousin Vectran | 16330 | 1.0 | 2 | 1318 |
| B7 | Cousin Vectran | 16330 | 1.0 | 2 | 1465 |
| B8 | Cousin Vectran | 16330 | 1.0 | 2 | 1449 |
| B9 | Cousin Vectran | 16330 | 1.0 | 2 | 1476 |
| B10 | Cousin Vectran | 16330 | 1.0 | 2 | 1553 |
| B11 | Cousin Vectran | 16330 | 1.0 | 2 | 1616 |
| B12 | Cousin Vectran | 16330 | 1.0 | 2 | 1574 |
| B13 | Cousin Vectran | 16330 | 1.0 | 2 | 1597 |
| B14 | Cousin Vectran | 16330 | 1.0 | 2 | 1685 |
| BM1 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| BM2 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| BM3 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| BM4 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| BM5 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| BM6 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| SM | Cousin Vectran | 12100 | 0.6 | 6 | 500 |
| SR | Cousin Technora | 988 | 1.5 | 2 | 6350 |
| BR1 | Cousin Technora | 988 | 2.18 | 2 | 5670 |
| BR2 | Cousin Technora | 988 | 2.5 | 2 | 5670 |
| BR3 | Cousin Technora | 988 | 2.5 | 2 | 5670 |

Kangaroo 4 S

| Nome | Referencia da linha | Diametro / mm | Numero de linhas | Comprimento / mm | |
|------|---------------------|---------------|------------------|------------------|------------|
| C1 | Cousin Vectran | 12100 | 0.6 | 2 | 930 |
| C2 | Cousin Vectran | 12100 | 0.6 | 2 | 965 |
| C3 | Cousin Vectran | 16330 | 1.0 | 2 | 1042 |
| C4 | Cousin Vectran | 16330 | 1.0 | 2 | 1134 |
| C5 | Cousin Vectran | 16330 | 1.0 | 2 | 1243 |
| C6 | Cousin Vectran | 16330 | 1.0 | 2 | 1363 |
| C7 | Cousin Vectran | 16330 | 1.0 | 2 | 1517 |
| C8 | Cousin Vectran | 16330 | 1.0 | 2 | 1509 |
| C9 | Cousin Vectran | 16330 | 1.0 | 2 | 1541 |
| C10 | Cousin Vectran | 16330 | 1.0 | 2 | 1621 |
| C11 | Cousin Vectran | 16330 | 1.0 | 2 | 1690 |
| C12 | Cousin Vectran | 16330 | 1.0 | 2 | 1654 |
| C13 | Cousin Vectran | 16330 | 1.0 | 2 | 1679 |
| C14 | Cousin Vectran | 16330 | 1.0 | 2 | 1766 |
| CM1 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| CM2 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| CM3 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| CM4 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| CM5 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| CM6 | Cousin Vectran | 12470 | 1.2 | 2 | 1370 |
| CR1 | Cousin Technora | 988 | 2.18 | 2 | 5635 |
| CR2 | Cousin Technora | 988 | 2.5 | 2 | 5635 |
| CR3 | Cousin Technora | 988 | 2.5 | 2 | 5635 |
| D7 | Cousin Vectran | 12100 | 0.6 | 2 | 1601 |
| D8 | Cousin Vectran | 12100 | 0.6 | 2 | 1603 |
| D9 | Cousin Vectran | 12100 | 0.6 | 2 | 1643 |
| D10 | Cousin Vectran | 12100 | 0.6 | 2 | 1725 |
| D11 | Cousin Vectran | 12100 | 0.6 | 2 | 1805 |
| D12 | Cousin Vectran | 12100 | 0.6 | 2 | 1775 |
| D13 | Cousin Vectran | 12100 | 0.6 | 2 | 1802 |
| D14 | Cousin Vectran | 12100 | 0.6 | 2 | 1886 |
| F1 | Cousin Vectran | 12100 | 0.6 | 2 | 776 |
| F2 | Cousin Vectran | 12100 | 0.6 | 2 | 773 |
| F3 | Cousin Vectran | 12100 | 0.6 | 2 | 795 |
| F4 | Cousin Vectran | 12100 | 0.6 | 2 | 814 |
| F5 | Cousin Vectran | 12100 | 0.6 | 2 | 829 |
| F6 | Cousin Vectran | 12100 | 0.6 | 2 | 878 |
| F7 | Cousin Vectran | 12100 | 0.6 | 2 | 872 |
| F8 | Cousin Vectran | 12100 | 0.6 | 2 | 942 |
| F9 | Cousin Vectran | 12100 | 0.6 | 2 | 968 |
| F10 | Cousin Vectran | 12100 | 0.6 | 2 | 981 |
| F11 | Cousin Vectran | 12100 | 0.6 | 2 | 1028 |
| F12 | Cousin Vectran | 12100 | 0.6 | 2 | 1113 |
| F13 | Cousin Vectran | 12100 | 0.6 | 2 | 1269 |
| F14 | Cousin Vectran | 12100 | 0.6 | 2 | 1332 |
| F15 | Cousin Vectran | 12100 | 0.6 | 2 | 1541 |
| F16 | Cousin Vectran | 12100 | 0.6 | 2 | 1831 |
| FM1 | Cousin Vectran | 12100 | 0.6 | 16 | 2250 |
| FM2 | Cousin Vectran | 12100 | 0.6 | 6 | 1100 |
| FR | Cousin Technora | 988 | 2.18 | 2 | 3355 + 300 |



Kangaroo 4

| Nome | Referencia da linha | Diametro / mm | Numero de linhas | Comprimento / mm | |
|------|---------------------|---------------|------------------|------------------|------|
| A1 | Cousin Vectran | 12100 | 0.6 | 2 | 888 |
| A2 | Cousin Vectran | 12100 | 0.6 | 2 | 1002 |
| A3 | Cousin Vectran | 16330 | 1.0 | 2 | 1068 |
| A4 | Cousin Vectran | 16330 | 1.0 | 2 | 1157 |
| A5 | Cousin Vectran | 16330 | 1.0 | 2 | 1272 |
| A6 | Cousin Vectran | 16330 | 1.0 | 2 | 1398 |
| A7 | Cousin Vectran | 16330 | 1.0 | 2 | 1560 |
| A8 | Cousin Vectran | 16330 | 1.0 | 2 | 1550 |
| A9 | Cousin Vectran | 16330 | 1.0 | 2 | 1583 |
| A10 | Cousin Vectran | 16330 | 1.0 | 2 | 1665 |
| A11 | Cousin Vectran | 16330 | 1.0 | 2 | 1733 |
| A12 | Cousin Vectran | 16330 | 1.0 | 2 | 1692 |
| A13 | Cousin Vectran | 16330 | 1.0 | 2 | 1716 |
| A14 | Cousin Vectran | 16330 | 1.0 | 2 | 1803 |
| AM1 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| AM2 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| AM3 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| AM4 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| AM5 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| AM6 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| AR1 | Cousin Technora | 988 | 2.18 | 2 | 5850 |
| AR2 | Cousin Technora | 988 | 2.5 | 2 | 5850 |
| AR3 | Cousin Technora | 988 | 2.5 | 2 | 5850 |
| B1 | Cousin Vectran | 12100 | 0.6 | 2 | 914 |
| B2 | Cousin Vectran | 12100 | 0.6 | 2 | 975 |
| B3 | Cousin Vectran | 16330 | 1.0 | 2 | 1056 |
| B4 | Cousin Vectran | 16330 | 1.0 | 2 | 1140 |
| B5 | Cousin Vectran | 16330 | 1.0 | 2 | 1246 |
| B6 | Cousin Vectran | 16330 | 1.0 | 2 | 1364 |
| B7 | Cousin Vectran | 16330 | 1.0 | 2 | 1513 |
| B8 | Cousin Vectran | 16330 | 1.0 | 2 | 1496 |
| B9 | Cousin Vectran | 16330 | 1.0 | 2 | 1524 |
| B10 | Cousin Vectran | 16330 | 1.0 | 2 | 1602 |
| B11 | Cousin Vectran | 16330 | 1.0 | 2 | 1666 |
| B12 | Cousin Vectran | 16330 | 1.0 | 2 | 1622 |
| B13 | Cousin Vectran | 16330 | 1.0 | 2 | 1645 |
| B14 | Cousin Vectran | 16330 | 1.0 | 2 | 1735 |
| BM1 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| BM2 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| BM3 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| BM4 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| BM5 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| BM6 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| SM | Cousin Vectran | 12100 | 0.6 | 6 | 510 |
| SR | Cousin Technora | 988 | 1.5 | 2 | 6550 |
| BR1 | Cousin Technora | 988 | 2.18 | 2 | 5850 |
| BR2 | Cousin Technora | 988 | 2.5 | 2 | 5850 |
| BR3 | Cousin Technora | 988 | 2.5 | 2 | 5850 |

Kangaroo 4

| Nome | Referencia da linha | Diametro / mm | Numero de linhas | Comprimento / mm | |
|------|---------------------|---------------|------------------|------------------|------------|
| C1 | Cousin Vectran | 12100 | 0.6 | 2 | 969 |
| C2 | Cousin Vectran | 12100 | 0.6 | 2 | 1006 |
| C3 | Cousin Vectran | 16330 | 1.0 | 2 | 1081 |
| C4 | Cousin Vectran | 16330 | 1.0 | 2 | 1176 |
| C5 | Cousin Vectran | 16330 | 1.0 | 2 | 1288 |
| C6 | Cousin Vectran | 16330 | 1.0 | 2 | 1410 |
| C7 | Cousin Vectran | 16330 | 1.0 | 2 | 1568 |
| C8 | Cousin Vectran | 16330 | 1.0 | 2 | 1559 |
| C9 | Cousin Vectran | 16330 | 1.0 | 2 | 1591 |
| C10 | Cousin Vectran | 16330 | 1.0 | 2 | 1673 |
| C11 | Cousin Vectran | 16330 | 1.0 | 2 | 1743 |
| C12 | Cousin Vectran | 16330 | 1.0 | 2 | 1704 |
| C13 | Cousin Vectran | 16330 | 1.0 | 2 | 1730 |
| C14 | Cousin Vectran | 16330 | 1.0 | 2 | 1819 |
| CM1 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| CM2 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| CM3 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| CM4 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| CM5 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| CM6 | Cousin Vectran | 12470 | 1.2 | 2 | 1410 |
| CR1 | Cousin Technora | 988 | 2.18 | 2 | 5810 |
| CR2 | Cousin Technora | 988 | 2.5 | 2 | 5810 |
| CR3 | Cousin Technora | 988 | 2.5 | 2 | 5810 |
| D7 | Cousin Vectran | 12100 | 0.6 | 2 | 1655 |
| D8 | Cousin Vectran | 12100 | 0.6 | 2 | 1656 |
| D9 | Cousin Vectran | 12100 | 0.6 | 2 | 1697 |
| D10 | Cousin Vectran | 12100 | 0.6 | 2 | 1780 |
| D11 | Cousin Vectran | 12100 | 0.6 | 2 | 1861 |
| D12 | Cousin Vectran | 12100 | 0.6 | 2 | 1829 |
| D13 | Cousin Vectran | 12100 | 0.6 | 2 | 1857 |
| D14 | Cousin Vectran | 12100 | 0.6 | 2 | 1943 |
| F1 | Cousin Vectran | 12100 | 0.6 | 2 | 806 |
| F2 | Cousin Vectran | 12100 | 0.6 | 2 | 804 |
| F3 | Cousin Vectran | 12100 | 0.6 | 2 | 826 |
| F4 | Cousin Vectran | 12100 | 0.6 | 2 | 847 |
| F5 | Cousin Vectran | 12100 | 0.6 | 2 | 863 |
| F6 | Cousin Vectran | 12100 | 0.6 | 2 | 914 |
| F7 | Cousin Vectran | 12100 | 0.6 | 2 | 909 |
| F8 | Cousin Vectran | 12100 | 0.6 | 2 | 981 |
| F9 | Cousin Vectran | 12100 | 0.6 | 2 | 1009 |
| F10 | Cousin Vectran | 12100 | 0.6 | 2 | 1022 |
| F11 | Cousin Vectran | 12100 | 0.6 | 2 | 1069 |
| F12 | Cousin Vectran | 12100 | 0.6 | 2 | 1156 |
| F13 | Cousin Vectran | 12100 | 0.6 | 2 | 1315 |
| F14 | Cousin Vectran | 12100 | 0.6 | 2 | 1378 |
| F15 | Cousin Vectran | 12100 | 0.6 | 2 | 1592 |
| F16 | Cousin Vectran | 12100 | 0.6 | 2 | 1888 |
| FM1 | Cousin Vectran | 12100 | 0.6 | 16 | 2320 |
| FM2 | Cousin Vectran | 12100 | 0.6 | 6 | 1135 |
| FR | Cousin Technora | 988 | 2.18 | 2 | 3450 + 300 |



Kangaroo 4 L

| Nome | Referencia da linha | Diametro / mm | Numero de linhas | Comprimento / mm |
|------|---------------------|---------------|------------------|------------------|
| A1 | Cousin Vectran | 12100 | 2 | 937 |
| A2 | Cousin Vectran | 12100 | 2 | 1055 |
| A3 | Cousin Vectran | 16330 | 2 | 1121 |
| A4 | Cousin Vectran | 16330 | 2 | 1213 |
| A5 | Cousin Vectran | 16330 | 2 | 1333 |
| A6 | Cousin Vectran | 16330 | 2 | 1463 |
| A7 | Cousin Vectran | 16330 | 2 | 1630 |
| A8 | Cousin Vectran | 16330 | 2 | 1619 |
| A9 | Cousin Vectran | 16330 | 2 | 1653 |
| A10 | Cousin Vectran | 16330 | 2 | 1737 |
| A11 | Cousin Vectran | 16330 | 2 | 1805 |
| A12 | Cousin Vectran | 16330 | 2 | 1762 |
| A13 | Cousin Vectran | 16330 | 2 | 1786 |
| A14 | Cousin Vectran | 16330 | 2 | 1876 |
| AM1 | Cousin Vectran | 12470 | 2 | 1470 |
| AM2 | Cousin Vectran | 12470 | 2 | 1470 |
| AM3 | Cousin Vectran | 12470 | 2 | 1470 |
| AM4 | Cousin Vectran | 12470 | 2 | 1470 |
| AM5 | Cousin Vectran | 12470 | 2 | 1470 |
| AM6 | Cousin Vectran | 12470 | 2 | 1470 |
| AR1 | Cousin Technora | 988 | 2 | 6080 |
| AR2 | Cousin Technora | 988 | 2 | 6080 |
| AR3 | Cousin Technora | 988 | 2 | 6080 |
| B1 | Cousin Vectran | 12100 | 2 | 964 |
| B2 | Cousin Vectran | 12100 | 2 | 1028 |
| B3 | Cousin Vectran | 16330 | 2 | 1109 |
| B4 | Cousin Vectran | 16330 | 2 | 1196 |
| B5 | Cousin Vectran | 16330 | 2 | 1306 |
| B6 | Cousin Vectran | 16330 | 2 | 1427 |
| B7 | Cousin Vectran | 16330 | 2 | 1581 |
| B8 | Cousin Vectran | 16330 | 2 | 1563 |
| B9 | Cousin Vectran | 16330 | 2 | 1591 |
| B10 | Cousin Vectran | 16330 | 2 | 1671 |
| B11 | Cousin Vectran | 16330 | 2 | 1736 |
| B12 | Cousin Vectran | 16330 | 2 | 1689 |
| B13 | Cousin Vectran | 16330 | 2 | 1713 |
| B14 | Cousin Vectran | 16330 | 2 | 1804 |
| BM1 | Cousin Vectran | 12470 | 2 | 1470 |
| BM2 | Cousin Vectran | 12470 | 2 | 1470 |
| BM3 | Cousin Vectran | 12470 | 2 | 1470 |
| BM4 | Cousin Vectran | 12470 | 2 | 1470 |
| BM5 | Cousin Vectran | 12470 | 2 | 1470 |
| BM6 | Cousin Vectran | 12470 | 2 | 1470 |
| SM | Cousin Vectran | 12100 | 6 | 530 |
| SR | Cousin Technora | 988 | 2 | 6810 |
| BR1 | Cousin Technora | 988 | 2 | 6080 |
| BR2 | Cousin Technora | 988 | 2 | 6080 |
| BR3 | Cousin Technora | 988 | 2 | 6080 |

Kangaroo 4 L

| Nome | Referencia da linha | Diametro / mm | Numero de linhas | Comprimento / mm |
|------|---------------------|---------------|------------------|------------------|
| C1 | Cousin Vectran | 12100 | 2 | 1022 |
| C2 | Cousin Vectran | 12100 | 2 | 1060 |
| C3 | Cousin Vectran | 16330 | 2 | 1136 |
| C4 | Cousin Vectran | 16330 | 2 | 1234 |
| C5 | Cousin Vectran | 16330 | 2 | 1350 |
| C6 | Cousin Vectran | 16330 | 2 | 1477 |
| C7 | Cousin Vectran | 16330 | 2 | 1639 |
| C8 | Cousin Vectran | 16330 | 2 | 1629 |
| C9 | Cousin Vectran | 16330 | 2 | 1661 |
| C10 | Cousin Vectran | 16330 | 2 | 1745 |
| C11 | Cousin Vectran | 16330 | 2 | 1816 |
| C12 | Cousin Vectran | 16330 | 2 | 1775 |
| C13 | Cousin Vectran | 16330 | 2 | 1801 |
| C14 | Cousin Vectran | 16330 | 2 | 1893 |
| CM1 | Cousin Vectran | 12470 | 2 | 1470 |
| CM2 | Cousin Vectran | 12470 | 2 | 1470 |
| CM3 | Cousin Vectran | 12470 | 2 | 1470 |
| CM4 | Cousin Vectran | 12470 | 2 | 1470 |
| CM5 | Cousin Vectran | 12470 | 2 | 1470 |
| CM6 | Cousin Vectran | 12470 | 2 | 1470 |
| CR1 | Cousin Technora | 988 | 2 | 6040 |
| CR2 | Cousin Technora | 988 | 2 | 6040 |
| CR3 | Cousin Technora | 988 | 2 | 6040 |
| D7 | Cousin Vectran | 12100 | 2 | 1730 |
| D8 | Cousin Vectran | 12100 | 2 | 1730 |
| D9 | Cousin Vectran | 12100 | 2 | 1771 |
| D10 | Cousin Vectran | 12100 | 2 | 1857 |
| D11 | Cousin Vectran | 12100 | 2 | 1940 |
| D12 | Cousin Vectran | 12100 | 2 | 1905 |
| D13 | Cousin Vectran | 12100 | 2 | 1933 |
| D14 | Cousin Vectran | 12100 | 2 | 2021 |
| F1 | Cousin Vectran | 12100 | 2 | 842 |
| F2 | Cousin Vectran | 12100 | 2 | 841 |
| F3 | Cousin Vectran | 12100 | 2 | 866 |
| F4 | Cousin Vectran | 12100 | 2 | 888 |
| F5 | Cousin Vectran | 12100 | 2 | 905 |
| F6 | Cousin Vectran | 12100 | 2 | 959 |
| F7 | Cousin Vectran | 12100 | 2 | 951 |
| F8 | Cousin Vectran | 12100 | 2 | 1027 |
| F9 | Cousin Vectran | 12100 | 2 | 1055 |
| F10 | Cousin Vectran | 12100 | 2 | 1069 |
| F11 | Cousin Vectran | 12100 | 2 | 1118 |
| F12 | Cousin Vectran | 12100 | 2 | 1208 |
| F13 | Cousin Vectran | 12100 | 2 | 1371 |
| F14 | Cousin Vectran | 12100 | 2 | 1436 |
| F15 | Cousin Vectran | 12100 | 2 | 1656 |
| F16 | Cousin Vectran | 12100 | 2 | 1960 |
| FM1 | Cousin Vectran | 12100 | 16 | 2415 |
| FM2 | Cousin Vectran | 12100 | 6 | 1180 |
| FR | Cousin Technora | 988 | 2 | 3580 + 300 |





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