

| https://fittertraining.com LATERAL PIPE BRANCH AND TEE BRANCH |              |              |              |              |             |              |              |              |              |
|---|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|
| Center line   | 96" x 120"   |              |              |              | Center line | 96" x 120"   |              |              |              |
|   | LAT-ERAL 60° | LAT-ERAL 45° | LAT-ERAL 30° | CONC TEE 90° |             | LAT-ERAL 60° | LAT-ERAL 45° | LAT-ERAL 30° | CONC TEE 90° |
| 1   | 8            | 12           | 19           | 4            | 33          | 1398         | 2420         | 4189         | 4            |
| 2   | 34           | 49           | 77           | 18           | 34          | 1404         | 2422         | 4187         | 18           |
| 3   | 77           | 110          | 172          | 41           | 35          | 1414         | 2425         | 4182         | 41           |
| 4   | 136          | 194          | 303          | 72           | 36          | 1426         | 2429         | 4175         | 72           |
| 5   | 210          | 299          | 468          | 110          | 37          | 1442         | 2433         | 4164         | 110          |
| 6   | 298          | 424          | 665          | 156          | 38          | 1459         | 2436         | 4149         | 156          |
| 7   | 398          | 567          | 890          | 207          | 39          | 1477         | 2438         | 4129         | 207          |
| 8   | 508          | 725          | 1139         | 262          | 40          | 1495         | 2436         | 4102         | 262          |
| 9   | 625          | 895          | 1407         | 320          | 41          | 1511         | 2430         | 4065         | 320          |
| 10  | 748          | 1073         | 1689         | 379          | 42          | 1524         | 2417         | 4017         | 379          |
| 11  | 872          | 1255         | 1979         | 435          | 43          | 1530         | 2396         | 3954         | 435          |
| 12  | 994          | 1436         | 2269         | 488          | 44          | 1529         | 2362         | 3872         | 488          |
| 13  | 1110         | 1612         | 2552         | 532          | 45          | 1516         | 2314         | 3769         | 532          |
| 14  | 1217         | 1776         | 2821         | 567          | 46          | 1490         | 2248         | 3639         | 567          |
| 15  | 1310         | 1924         | 3068         | 589          | 47          | 1447         | 2162         | 3479         | 589          |
| 16  | 1387         | 2054         | 3289         | 597          | 48          | 1387         | 2054         | 3289         | 597          |
| 17  | 1447         | 2162         | 3479         | 589          | 49          | 1310         | 1924         | 3068         | 589          |
| 18  | 1490         | 2248         | 3639         | 567          | 50          | 1217         | 1776         | 2821         | 567          |
| 19  | 1516         | 2314         | 3769         | 532          | 51          | 1110         | 1612         | 2552         | 532          |
| 20  | 1529         | 2362         | 3872         | 488          | 52          | 994          | 1436         | 2269         | 488          |
| 21  | 1530         | 2396         | 3954         | 435          | 53          | 872          | 1255         | 1979         | 435          |
| 22  | 1524         | 2417         | 4017         | 379          | 54          | 748          | 1073         | 1689         | 379          |
| 23  | 1511         | 2430         | 4065         | 320          | 55          | 625          | 895          | 1407         | 320          |
| 24  | 1495         | 2436         | 4102         | 262          | 56          | 508          | 725          | 1139         | 262          |
| 25  | 1477         | 2438         | 4129         | 207          | 57          | 398          | 567          | 890          | 207          |
| 26  | 1459         | 2436         | 4149         | 156          | 58          | 298          | 424          | 665          | 156          |
| 27  | 1442         | 2433         | 4164         | 110          | 59          | 210          | 299          | 468          | 110          |
| 28  | 1426         | 2429         | 4175         | 72           | 60          | 136          | 194          | 303          | 72           |
| 29  | 1414         | 2425         | 4182         | 41           | 61          | 77           | 110          | 172          | 41           |
| 30  | 1404         | 2422         | 4187         | 18           | 62          | 34           | 49           | 77           | 18           |
| 31  | 1398         | 2420         | 4189         | 4            | 63          | 8            | 12           | 19           | 4            |
| 32  | 1396         | 2419         | 4190         | 0            | 64          | 0            | 0            | 0            | 0            |

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|---|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|
| Center line   | 104" x 120"  |              |              |              | Center line | 104" x 120"  |              |              |              |
|   | LAT-ERAL 60° | LAT-ERAL 45° | LAT-ERAL 30° | CONC TEE 90° |             | LAT-ERAL 60° | LAT-ERAL 45° | LAT-ERAL 30° | CONC TEE 90° |
| 1   | 10           | 14           | 21           | 5            | 33          | 1516         | 2624         | 4542         | 5            |
| 2   | 39           | 55           | 87           | 21           | 34          | 1524         | 2628         | 4542         | 21           |
| 3   | 88           | 124          | 194          | 48           | 35          | 1537         | 2634         | 4541         | 48           |
| 4   | 155          | 220          | 343          | 85           | 36          | 1554         | 2643         | 4539         | 85           |
| 5   | 240          | 340          | 530          | 131          | 37          | 1576         | 2653         | 4536         | 131          |
| 6   | 341          | 483          | 753          | 185          | 38          | 1600         | 2663         | 4530         | 185          |
| 7   | 457          | 647          | 1009         | 247          | 39          | 1627         | 2674         | 4521         | 247          |
| 8   | 585          | 829          | 1294         | 314          | 40          | 1655         | 2683         | 4506         | 314          |
| 9   | 722          | 1025         | 1602         | 386          | 41          | 1683         | 2689         | 4484         | 386          |
| 10  | 866          | 1232         | 1927         | 459          | 42          | 1708         | 2689         | 4451         | 459          |
| 11  | 1013         | 1444         | 2263         | 531          | 43          | 1727         | 2681         | 4404         | 531          |
| 12  | 1159         | 1657         | 2600         | 599          | 44          | 1739         | 2660         | 4339         | 599          |
| 13  | 1298         | 1862         | 2930         | 659          | 45          | 1738         | 2624         | 4248         | 659          |
| 14  | 1425         | 2054         | 3240         | 706          | 46          | 1720         | 2566         | 4127         | 706          |
| 15  | 1533         | 2224         | 3522         | 736          | 47          | 1682         | 2481         | 3967         | 736          |
| 16  | 1620         | 2368         | 3766         | 747          | 48          | 1620         | 2368         | 3766         | 747          |
| 17  | 1682         | 2481         | 3967         | 736          | 49          | 1533         | 2224         | 3522         | 736          |
| 18  | 1720         | 2566         | 4127         | 706          | 50          | 1425         | 2054         | 3240         | 706          |
| 19  | 1738         | 2624         | 4248         | 659          | 51          | 1298         | 1862         | 2930         | 659          |
| 20  | 1739         | 2660         | 4339         | 599          | 52          | 1159         | 1657         | 2600         | 599          |
| 21  | 1727         | 2681         | 4404         | 531          | 53          | 1013         | 1444         | 2263         | 531          |
| 22  | 1708         | 2689         | 4451         | 459          | 54          | 866          | 1232         | 1927         | 459          |
| 23  | 1683         | 2689         | 4484         | 386          | 55          | 722          | 1025         | 1602         | 386          |
| 24  | 1655         | 2683         | 4506         | 314          | 56          | 585          | 829          | 1294         | 314          |
| 25  | 1627         | 2674         | 4521         | 247          | 57          | 457          | 647          | 1009         | 247          |
| 26  | 1600         | 2663         | 4530         | 185          | 58          | 341          | 483          | 753          | 185          |
| 27  | 1576         | 2653         | 4536         | 131          | 59          | 240          | 340          | 530          | 131          |
| 28  | 1554         | 2643         | 4539         | 85           | 60          | 155          | 220          | 343          | 85           |
| 29  | 1537         | 2634         | 4541         | 48           | 61          | 88           | 124          | 194          | 48           |
| 30  | 1524         | 2628         | 4542         | 21           | 62          | 39           | 55           | 87           | 21           |
| 31  | 1516         | 2624         | 4542         | 5            | 63          | 10           | 14           | 21           | 5            |
| 32  | 1514         | 2622         | 4542         | 0            | 64          | 0            | 0            | 0            | 0            |