

| <a href="https://fittertraining.com">https://fittertraining.com</a> LATERAL PIPE BRANCH AND TEE BRANCH |              |              |              |              |             |              |              |              |              |
|--|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|
| Center line  | 48" x 104"   |              |              |              | Center line | 48" x 104"   |              |              |              |
|  | 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  | 3            | 4            | 7            | 1            | 33          | 692          | 1199         | 2076         | 1            |
| 2  | 12           | 19           | 30           | 5            | 34          | 692          | 1196         | 2069         | 5            |
| 3  | 28           | 42           | 67           | 11           | 35          | 691          | 1190         | 2057         | 11           |
| 4  | 49           | 74           | 119          | 20           | 36          | 689          | 1183         | 2040         | 20           |
| 5  | 76           | 114          | 184          | 30           | 37          | 687          | 1172         | 2017         | 30           |
| 6  | 107          | 161          | 260          | 42           | 38          | 684          | 1159         | 1989         | 42           |
| 7  | 143          | 215          | 348          | 56           | 39          | 679          | 1143         | 1955         | 56           |
| 8  | 182          | 274          | 444          | 70           | 40          | 672          | 1123         | 1914         | 70           |
| 9  | 223          | 338          | 548          | 84           | 41          | 663          | 1099         | 1867         | 84           |
| 10   | 267          | 405          | 657          | 98           | 42          | 652          | 1072         | 1812         | 98           |
| 11   | 311          | 473          | 770          | 110          | 43          | 637          | 1039         | 1750         | 110          |
| 12   | 354          | 543          | 885          | 122          | 44          | 620          | 1002         | 1681         | 122          |
| 13   | 397          | 611          | 1000         | 131          | 45          | 598          | 960          | 1603         | 131          |
| 14   | 438          | 678          | 1113         | 138          | 46          | 573          | 912          | 1519         | 138          |
| 15   | 477          | 743          | 1223         | 142          | 47          | 545          | 860          | 1426         | 142          |
| 16   | 513          | 804          | 1327         | 144          | 48          | 513          | 804          | 1327         | 144          |
| 17   | 545          | 860          | 1426         | 142          | 49          | 477          | 743          | 1223         | 142          |
| 18   | 573          | 912          | 1519         | 138          | 50          | 438          | 678          | 1113         | 138          |
| 19   | 598          | 960          | 1603         | 131          | 51          | 397          | 611          | 1000         | 131          |
| 20   | 620          | 1002         | 1681         | 122          | 52          | 354          | 543          | 885          | 122          |
| 21   | 637          | 1039         | 1750         | 110          | 53          | 311          | 473          | 770          | 110          |
| 22   | 652          | 1072         | 1812         | 98           | 54          | 267          | 405          | 657          | 98           |
| 23   | 663          | 1099         | 1867         | 84           | 55          | 223          | 338          | 548          | 84           |
| 24   | 672          | 1123         | 1914         | 70           | 56          | 182          | 274          | 444          | 70           |
| 25   | 679          | 1143         | 1955         | 56           | 57          | 143          | 215          | 348          | 56           |
| 26   | 684          | 1159         | 1989         | 42           | 58          | 107          | 161          | 260          | 42           |
| 27   | 687          | 1172         | 2017         | 30           | 59          | 76           | 114          | 184          | 30           |
| 28   | 689          | 1183         | 2040         | 20           | 60          | 49           | 74           | 119          | 20           |
| 29   | 691          | 1190         | 2057         | 11           | 61          | 28           | 42           | 67           | 11           |
| 30   | 692          | 1196         | 2069         | 5            | 62          | 12           | 19           | 30           | 5            |
| 31   | 692          | 1199         | 2076         | 1            | 63          | 3            | 4            | 7            | 1            |
| 32   | 693          | 1200         | 2078         | 0            | 64          | 0            | 0            | 0            | 0            |

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|--|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|
| Center line  | 50" x 104"   |              |              |              | Center line | 50" x 104"   |              |              |              |
|  | 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  | 3            | 5            | 8            | 1            | 33          | 722          | 1250         | 2164         | 1            |
| 2  | 13           | 20           | 32           | 5            | 34          | 721          | 1247         | 2157         | 5            |
| 3  | 30           | 44           | 71           | 12           | 35          | 721          | 1241         | 2145         | 12           |
| 4  | 52           | 78           | 126          | 22           | 36          | 720          | 1234         | 2128         | 22           |
| 5  | 81           | 121          | 194          | 33           | 37          | 718          | 1224         | 2105         | 33           |
| 6  | 114          | 171          | 275          | 46           | 38          | 715          | 1211         | 2077         | 46           |
| 7  | 152          | 228          | 368          | 61           | 39          | 710          | 1195         | 2042         | 61           |
| 8  | 193          | 291          | 469          | 76           | 40          | 704          | 1175         | 2002         | 76           |
| 9  | 238          | 358          | 579          | 91           | 41          | 696          | 1152         | 1954         | 91           |
| 10   | 283          | 429          | 695          | 106          | 42          | 685          | 1124         | 1898         | 106          |
| 11   | 330          | 501          | 814          | 120          | 43          | 670          | 1091         | 1835         | 120          |
| 12   | 376          | 574          | 935          | 133          | 44          | 653          | 1053         | 1764         | 133          |
| 13   | 422          | 646          | 1055         | 143          | 45          | 631          | 1010         | 1684         | 143          |
| 14   | 465          | 717          | 1174         | 151          | 46          | 606          | 961          | 1597         | 151          |
| 15   | 505          | 784          | 1289         | 156          | 47          | 576          | 907          | 1501         | 156          |
| 16   | 543          | 848          | 1398         | 157          | 48          | 543          | 848          | 1398         | 157          |
| 17   | 576          | 907          | 1501         | 156          | 49          | 505          | 784          | 1289         | 156          |
| 18   | 606          | 961          | 1597         | 151          | 50          | 465          | 717          | 1174         | 151          |
| 19   | 631          | 1010         | 1684         | 143          | 51          | 422          | 646          | 1055         | 143          |
| 20   | 653          | 1053         | 1764         | 133          | 52          | 376          | 574          | 935          | 133          |
| 21   | 670          | 1091         | 1835         | 120          | 53          | 330          | 501          | 814          | 120          |
| 22   | 685          | 1124         | 1898         | 106          | 54          | 283          | 429          | 695          | 106          |
| 23   | 696          | 1152         | 1954         | 91           | 55          | 238          | 358          | 579          | 91           |
| 24   | 704          | 1175         | 2002         | 76           | 56          | 193          | 291          | 469          | 76           |
| 25   | 710          | 1195         | 2042         | 61           | 57          | 152          | 228          | 368          | 61           |
| 26   | 715          | 1211         | 2077         | 46           | 58          | 114          | 171          | 275          | 46           |
| 27   | 718          | 1224         | 2105         | 33           | 59          | 81           | 121          | 194          | 33           |
| 28   | 720          | 1234         | 2128         | 22           | 60          | 52           | 78           | 126          | 22           |
| 29   | 721          | 1241         | 2145         | 12           | 61          | 30           | 44           | 71           | 12           |
| 30   | 721          | 1247         | 2157         | 5            | 62          | 13           | 20           | 32           | 5            |
| 31   | 722          | 1250         | 2164         | 1            | 63          | 3            | 5            | 8            | 1            |
| 32   | 722          | 1251         | 2166         | 0            | 64          | 0            | 0            | 0            | 0            |