

| height dia ring | 2 | 1.5 | 3 | 3.5 | 4 | 4.5 | 5 | 5.5 | 6 | 6.5 | 7 | 7.5 | 8 | 8.5 | 9 | 9.5 | 10 | 10.5 | 11 | | |
|--------------------|-----------------|-------------------------------|-----------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| height m | 2.4 | 2 | 3.6 | 4.2 | 4.8 | 5.4 | 6 | 6.6 | 7.2 | 7.8 | 8.4 | 9 | 9.6 | 10.2 | 10.8 | 11.4 | 12 | 12.6 | 13.2 | | |
| D (m) | qty for ring | bottom area m ² | volume m ³ | | | | | | | | | | | | | | | | | | |
| 3.06 | 4 | 7.33 | 18 | 22 | 26 | 31 | 35 | 40 | 44 | 48 | 53 | 57 | 62 | 66 | 70 | 75 | 79 | 84 | 88 | 92 | 97 |
| 3.82 | 5 | 11.45 | 27 | 34 | 41 | 48 | 55 | 62 | 69 | 76 | 82 | 89 | 96 | 103 | 110 | 117 | 124 | 131 | 137 | 144 | 151 |
| 4.58 | 6 | 16.49 | 40 | 49 | 59 | 69 | 79 | 89 | 99 | 109 | 119 | 129 | 139 | 148 | 158 | 168 | 178 | 188 | 198 | 208 | 218 |
| 5.35 | 7 | 22.45 | 54 | 67 | 81 | 94 | 108 | 121 | 125 | 148 | 162 | 175 | 189 | 202 | 216 | 229 | 242 | 256 | 269 | 282 | 296 |
| 6.11 | 8 | 29.32 | 70 | 88 | 106 | 123 | 141 | 158 | 176 | 194 | 211 | 229 | 246 | 264 | 281 | 299 | 317 | 334 | 352 | 369 | 387 |
| 6.88 | 9 | 37.11 | 89 | 111 | 134 | 156 | 178 | 200 | 223 | 245 | 267 | 289 | 312 | 334 | 356 | 379 | 401 | 423 | 445 | 468 | 490 |
| 7.64 | 10 | 45.81 | 110 | 137 | 165 | 192 | 220 | 247 | 275 | 302 | 330 | 357 | 385 | 412 | 440 | 467 | 495 | 522 | 550 | 577 | 605 |
| 8.40 | 11 | 55.43 | 133 | 166 | 200 | 233 | 266 | 299 | 333 | 366 | 399 | 432 | 466 | 499 | 532 | 565 | 595 | 632 | 665 | 698 | 732 |
| 9.17 | 12 | 65.97 | 158 | 198 | 237 | 277 | 317 | 356 | 396 | 435 | 475 | 515 | 554 | 594 | 633 | 673 | 712 | 752 | 792 | 831 | 871 |
| 9.93 | 13 | 77.42 | 186 | 232 | 279 | 325 | 372 | 418 | 465 | 511 | 557 | 604 | 650 | 697 | 743 | 790 | 836 | 883 | 919 | 976 | 1022 |
| 10.70 | 14 | 89.79 | 216 | 269 | 323 | 377 | 431 | 485 | 539 | 593 | 647 | 700 | 754 | 808 | 862 | 916 | 970 | 1024 | 1078 | 1131 | 1185 |
| 11.46 | 15 | 103.08 | 247 | 309 | 371 | 433 | 495 | 557 | 618 | 680 | 742 | 804 | 866 | 928 | 990 | 1051 | 1113 | 1175 | 1237 | 1299 | 1361 |
| 12.22 | 16 | 117.28 | 281 | 352 | 422 | 493 | 563 | 633 | 704 | 774 | 844 | 915 | 985 | 1056 | 1126 | 1196 | 1267 | 1337 | 1407 | 1478 | 1548 |
| 12.99 | 17 | 132.40 | 318 | 397 | 477 | 556 | 636 | 715 | 794 | 874 | 953 | 1033 | 1112 | 1192 | 1271 | 1350 | 1430 | 1509 | 1589 | 1668 | 1748 |
| 13.75 | 18 | 148.44 | 356 | 445 | 534 | 623 | 712 | 802 | 891 | 980 | 1069 | 1158 | 1247 | 1336 | 1425 | 1514 | 1603 | 1692 | 1781 | 1870 | 1959 |
| 14.51 | 19 | 165.39 | 397 | 496 | 595 | 695 | 794 | 893 | 992 | 1092 | 1191 | 1290 | 1389 | 1488 | 1588 | 1687 | 1786 | 1885 | 1985 | 2084 | 2133 |
| 15.28 | 20 | 183.25 | 440 | 550 | 660 | 770 | 880 | 990 | 1100 | 1209 | 1319 | 1429 | 1539 | 1649 | 1759 | 1869 | 1979 | 2089 | 2199 | 2309 | 2419 |
| 16.04 | 21 | 202.04 | 485 | 606 | 727 | 849 | 970 | 1091 | 1212 | 1333 | 1455 | 1576 | 1697 | 1818 | 1940 | 2061 | 2182 | 2303 | 2424 | 2546 | 2657 |
| 16.81 | 22 | 221.74 | 532 | 665 | 798 | 931 | 1064 | 1197 | 1330 | 1463 | 1597 | 1730 | 1863 | 1996 | 2129 | 2262 | 2395 | 2528 | 2661 | 2794 | 2927 |
| 17.57 | 23 | 242.35 | 582 | 727 | 872 | 1018 | 1163 | 1309 | 1454 | 1600 | 1745 | 1890 | 2036 | 2181 | 2327 | 2472 | 2617 | 2763 | 2908 | 3054 | 3199 |
| 18.33 | 24 | 263.89 | 633 | 792 | 950 | 1108 | 1267 | 1425 | 1583 | 1742 | 1900 | 2058 | 2217 | 2375 | 2533 | 2692 | 2850 | 3008 | 3187 | 3325 | 3433 |
| 19.10 | 25 | 286.33 | 687 | 859 | 1031 | 1203 | 1374 | 1546 | 1718 | 1890 | 2062 | 2233 | 2405 | 2577 | 2749 | 2921 | 3092 | 3264 | 3436 | 3608 | 3730 |
| 19.86 | 26 | 309.70 | 743 | 929 | 1115 | 1301 | 1437 | 1612 | 1858 | 2044 | 2230 | 2416 | 2601 | 2787 | 2973 | 3159 | 3345 | 3531 | 3716 | 3902 | 4088 |
| 20.63 | 27 | 333.98 | 802 | 1002 | 1202 | 1403 | 1603 | 1803 | 2004 | 2204 | 2405 | 2605 | 2805 | 3006 | 3206 | 3407 | 3607 | 3807 | 4008 | 4208 | 4409 |
| 21.39 | 28 | 359.18 | 862 | 1078 | 1293 | 1509 | 1724 | 1940 | 2155 | 2371 | 2586 | 2802 | 3017 | 3233 | 3448 | 3664 | 3879 | 4095 | 4310 | 4526 | 4741 |
| 22.15 | 29 | 385.29 | 925 | 1156 | 1387 | 1618 | 1849 | 2081 | 2312 | 2543 | 2774 | 3005 | 3236 | 3468 | 3699 | 3930 | 4161 | 4392 | 4623 | 4855 | 5086 |
| 22.92 | 30 | 412.32 | 990 | 1237 | 1434 | 1722 | 1979 | 2227 | 2474 | 2721 | 2969 | 3216 | 3463 | 3711 | 3958 | 4206 | 4453 | 4700 | 4948 | 5195 | 5443 |
| 23.68 | 31 | 440.27 | 1057 | 1321 | 1535 | 1849 | 2113 | 2377 | 2642 | 2905 | 3170 | 3434 | 3698 | 3962 | 4227 | 4491 | 4755 | 5019 | 5233 | 5547 | 5812 |
| 24.45 | 32 | 469.13 | 1126 | 1407 | 1689 | 1970 | 2252 | 2533 | 2815 | 3095 | 3378 | 3659 | 3941 | 4222 | 4504 | 4785 | 5067 | 5348 | 5630 | 5911 | 6193 |
| 25.21 | 33 | 498.91 | 1197 | 1497 | 1796 | 2095 | 2395 | 2694 | 2993 | 3293 | 3592 | 3891 | 4191 | 4490 | 4790 | 5089 | 5388 | 5688 | 5987 | 6286 | 6536 |
| 25.97 | 34 | 529.60 | 1271 | 1589 | 1907 | 2224 | 2542 | 2860 | 3178 | 3495 | 3813 | 4131 | 4449 | 4766 | 5084 | 5402 | 5720 | 6037 | 6355 | 6673 | 6991 |
| 26.74 | 35 | 561.21 | 1347 | 1684 | 2020 | 2357 | 2694 | 3031 | 3367 | 3704 | 4041 | 4377 | 4714 | 5051 | 5388 | 5724 | 6061 | 6398 | 6735 | 7071 | 7408 |
| 27.50 | 36 | 593.74 | 1425 | 1781 | 2137 | 2494 | 2850 | 3266 | 3562 | 3919 | 4275 | 4631 | 4987 | 5344 | 5700 | 6056 | 6412 | 6769 | 7125 | 7481 | 7837 |
| 28.27 | 37 | 627.19 | 1505 | 1882 | 2358 | 2634 | 3010 | 3387 | 3763 | 4139 | 4516 | 4892 | 5268 | 5645 | 6021 | 6397 | 6744 | 7150 | 7526 | 7903 | 8279 |
| 29.03 | 38 | 661.55 | 1588 | 1985 | 2382 | 2778 | 3175 | 3572 | 3969 | 4366 | 4763 | 5160 | 5557 | 5954 | 6351 | 6748 | 7145 | 7542 | 7939 | 8335 | 8732 |
| 29.79 | 39 | 696.82 | 1672 | 2090 | 2509 | 2927 | 3345 | 3763 | 4181 | 4599 | 5017 | 5435 | 5853 | 6271 | 6689 | 7108 | 7526 | 7944 | 8362 | 8780 | 9198 |
| 30.56 | 40 | 733.01 | 1759 | 2199 | 2639 | 3079 | 3518 | 3958 | 4398 | 4833 | 5278 | 5718 | 6157 | 6597 | 7037 | 7477 | 7917 | 8356 | 8796 | 9136 | 9676 |
| 31.32 | 41 | 770.12 | 1848 | 2310 | 2772 | 3235 | 3697 | 4159 | 4621 | 5083 | 5545 | 6007 | 6469 | 6931 | 7393 | 7855 | 8317 | 8779 | 9241 | 9704 | 10156 |
| 32.08 | 42 | 808.15 | 1940 | 2424 | 2909 | 3394 | 3879 | 4364 | 4849 | 5334 | 5819 | 6304 | 6788 | 7273 | 7758 | 8243 | 8728 | 9213 | 9698 | 10183 | 10688 |
| 32.85 | 43 | 847.09 | 2033 | 2541 | 3050 | 3558 | 4056 | 4574 | 5083 | 5591 | 6099 | 6607 | 7116 | 7624 | 8132 | 8640 | 9149 | 9657 | 10165 | 10673 | 11182 |
| 33.61 | 44 | 886.95 | 2129 | 2661 | 3193 | 3725 | 4257 | 4790 | 5322 | 5854 | 6366 | 6918 | 7450 | 7983 | 8515 | 9047 | 9579 | 10111 | 10643 | 11176 | 11708 |
| 34.38 | 45 | 927.72 | 2227 | 2783 | 3340 | 3896 | 4453 | 5010 | 5566 | 6123 | 6680 | 7236 | 7793 | 8349 | 8906 | 9463 | 10019 | 10576 | 11133 | 11689 | 12246 |
| 35.14 | 46 | 969.41 | 2327 | 2908 | 3490 | 4072 | 4653 | 5235 | 5816 | 6393 | 6980 | 7561 | 8143 | 8725 | 9306 | 9888 | 10470 | 11051 | 11633 | 12215 | 12796 |
| 35.91 | 47 | 1012.02 | 2429 | 2036 | 3643 | 4250 | 4858 | 5465 | 6072 | 6679 | 7287 | 7894 | 8501 | 9108 | 9715 | 10323 | 10930 | 11537 | 12144 | 12751 | 13359 |
| 36.67 | 48 | 1055.54 | 2533 | 3167 | 3800 | 4433 | 5057 | 5700 | 6333 | 6967 | 7600 | 8233 | 8867 | 9500 | 10133 | 10767 | 11400 | 12033 | 12666 | 13300 | 13933 |
| 37.43 | 49 | 1099.98 | 2640 | 3300 | 3950 | 4620 | 5230 | 5940 | 6600 | 7260 | 7920 | 8580 | 9240 | 9900 | 10560 | 11220 | 11880 | 12540 | 13200 | 13860 | 14520 |
| 38.20 | 50 | 1145.33 | 2749 | 3436 | 4123 | 4810 | 5498 | 6185 | 6872 | 7559 | 8246 | 8934 | 9621 | 10308 | 10995 | 11682 | 12270 | 13057 | 13744 | 14431 | 15118 |
| 38.96 | 51 | 1191.61 | 2860 | 3575 | 4290 | 5005 | 5720 | 6435 | 7150 | 7865 | 8580 | 9295 | 10009 | 10724 | 11439 | 12154 | 12869 | 13584 | 14299 | 15014 | 15729 |
| 39.73 | 52 | 1238.79 | 2973 | 3716 | 4460 | 5203 | 5946 | 6689 | 7433 | 8176 | 8919 | 9663 | 10406 | 11149 | 11892 | 12636 | 13379 | 14122 | 14866 | 15609 | 16352 |
| 40.49 | 53 | 1286.90 | 3089 | 3861 | 4623 | 5405 | 6177 | 6949 | 7721 | 8494 | 9266 | 10038 | 10810 | 11582 | 12354 | 13126 | 13898 | 14671 | 15443 | 16215 | 16987 |