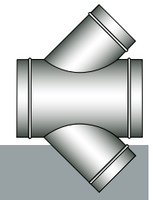

## CRUCES CON REDUCCIÓN A 45°

| Ø | 80 | 100 | 125 | 150 | 160 | 175 | 200 | 225 | 250 | 275 | 300 | 315 | 350 | 400 | 450 | 500 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 39,66 | | | | | | | | | | | | | | | |
| 125 | 41,90 | 45,34 | | | | | | | | | | | | | | |
| 150 | 44,92 | 48,44 | 58,25 | | | | | | | | | | | | | |
| 160 | 46,80 | 53,42 | 62,11 | 67,45 | | | | | | | | | | | | |
| 175 | 48,68 | 58,39 | 65,96 | 72,79 | 78,29 | | | | | | | | | | | |
| 200 | 51,84 | 58,91 | 73,30 | 78,02 | 83,78 | 89,54 | | | | | | | | | | |
| 225 | 52,49 | 66,25 | 81,00 | 93,22 | 94,84 | 96,47 | 100,27 | | | | | | | | | |
| 250 | 56,16 | 76,69 | 88,49 | 93,73 | 99,10 | 104,47 | 108,13 | 120,17 | | | | | | | | |
| 275 | 68,59 | 91,88 | 93,73 | 101,58 | 104,46 | 107,34 | 120,17 | 130,39 | 132,20 | | | | | | | |
| 300 | 78,26 | 93,22 | 97,64 | 104,98 | 111,26 | 117,56 | 127,24 | 131,12 | 140,33 | 153,42 | | | | | | |
| 315 | 83,78 | 95,04 | 104,18 | 113,10 | 117,64 | 122,16 | 128,29 | 133,50 | 149,75 | 156,82 | 169,64 | | | | | |
| 350 | 86,53 | 97,64 | 107,34 | 117,29 | 120,96 | 124,62 | 130,66 | 144,52 | 152,64 | 168,10 | 182,50 | 189,29 | | | | |
| 400 | 93,73 | 102,23 | 110,50 | 122,02 | 124,63 | 127,24 | 133,50 | 147,38 | 168,10 | 182,74 | 188,26 | 198,98 | 219,53 | | | |
| 450 | 96,61 | 109,44 | 118,34 | 128,81 | 129,98 | 131,16 | 152,64 | 165,46 | 172,27 | 183,66 | 198,43 | 217,81 | 253,43 | 298,99 | | |
| 500 | 100,27 | 112,04 | 123,56 | 131,04 | 140,66 | 150,28 | 160,21 | 170,94 | 183,38 | 200,53 | 220,69 | 251,47 | 272,81 | 325,43 | 375,18 | |
| 550 | 107,34 | 118,34 | 126,44 | 134,05 | 142,18 | 150,28 | 170,70 | 185,89 | 201,08 | 220,44 | 250,27 | 273,31 | 322,55 | 371,23 | 402,12 | 466,79 |
| 600 | 117,29 | 124,36 | 133,50 | 153,42 | 161,02 | 168,61 | 181,94 | 198,43 | 219,38 | 248,46 | 276,47 | 303,17 | 358,14 | 392,45 | 409,19 | 469,43 |
| 630 | | | | 156,70 | 164,50 | 172,28 | 188,11 | 208,25 | 239,03 | 267,18 | 288,50 | 330,65 | 369,28 | 400,69 | 434,74 | 479,76 |
| 650 | | | | 159,97 | 167,96 | 175,94 | 194,26 | 218,08 | 258,67 | 285,90 | 300,54 | 358,14 | 380,39 | 408,94 | 460,27 | 490,09 |
| 700 | | | | | | | 214,18 | 257,09 | 287,21 | 300,80 | 355,54 | 371,23 | 392,18 | 458,69 | 493,76 | 573,85 |
| 750 | | | | | | | 243,73 | 276,47 | 312,06 | 346,10 | 369,92 | 418,61 | 448,21 | 479,51 | 564,97 | 590,62 |
| 800 | | | | | | | | | 340,75 | 369,66 | 416,00 | 447,68 | 487,49 | 552,40 | 592,46 | 631,45 |
| 850 | | | | | | | | | 369,13 | 408,94 | 444,53 | 495,35 | 552,40 | 600,05 | 630,95 | 657,64 |
| 900 | | | | | | | | | | | 466,54 | 555,02 | 601,63 | 636,71 | 657,64 | 683,29 |
| 950 | | | | | | | | | | | 547,19 | 578,58 | 636,71 | 662,63 | 683,29 | 723,10 |
| 1000 | | | | | | | | | | | | | 654,24 | 665,26 | 685,42 | 741,68 |
| 1050 | | | | | | | | | | | | | | | | |
| 1100 | | | | | | | | | | | | | | | | |
| 1150 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1250 | | | | | | | | | | | | | | | | |
| 1300 | | | | | | | | | | | | | | | | |
| 1400 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1600 | | | | | | | | | | | | | | | | |

| Ø | 550 | 600 | 630 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | | | | | | | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | | | |
| 175 | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | | | | | | |
| 275 | | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | | | |
| 350 | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | |
| 450 | | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | | |
| 550 | | | | | | | | | | | | | | | | | | |
| 600 | 491,66 | | | | | | | | | | | | | | | | | |
| 630 | 512,87 | 559,99 | | | | | | | | | | | | | | | | |
| 650 | 534,07 | 607,10 | 632,51 | | | | | | | | | | | | | | | |
| 700 | 601,63 | 633,02 | 657,91 | 682,78 | | | | | | | | | | | | | | |
| 750 | 636,97 | 678,47 | 691,62 | 704,75 | 768,38 | | | | | | | | | | | | | |
| 800 | 665,50 | 694,02 | 725,98 | 757,92 | 785,15 | 825,34 | | | | | | | | | | | | |
| 850 | 686,45 | 747,19 | 765,24 | 783,30 | 838,30 | 865,51 | 899,83 | | | | | | | | | | | |
| 900 | 727,27 | 784,87 | 811,30 | 837,71 | 865,51 | 906,62 | 950,84 | 1044,06 | | | | | | | | | | |
| 950 | 780,96 | 836,20 | 854,27 | 872,34 | 906,35 | 950,84 | 1034,63 | 1066,60 | 1137,00 | | | | | | | | | |
| 1000 | 809,22 | 848,64 | 873,44 | 898,26 | 948,24 | 1020,50 | 1071,80 | 1123,64 | 1161,86 | 1209,53 | | | | | | | | |
| 1050 | | 858,12 | 884,24 | 910,37 | 983,59 | 1051,92 | 1106,36 | 1159,92 | 1206,50 | 1258,36 | | | | | | | | |
| 1100 | | 867,61 | 895,04 | 922,46 | 1018,93 | 1083,32 | 1140,92 | 1196,18 | 1251,14 | 1307,17 | 1410,60 | | | | | | | |
| 1150 | | 881,22 | 921,12 | 961,01 | 1048,52 | 1105,85 | 1164,62 | 1214,88 | 1273,80 | 1342,39 | 1434,95 | | | | | | | |
| 1200 | | 894,83 | 947,21 | 999,56 | 1078,10 | 1128,37 | 1188,34 | 1233,59 | 1296,44 | 1377,62 | 1459,28 | 1520,56 | 1581,82 | | | | | |
| 1250 | | 990,14 | 1039,37 | 1088,57 | 1138,31 | 1189,13 | 1239,11 | 1304,28 | 1377,86 | 1444,61 | 1580,24 | 1626,05 | 1671,85 | 1744,64 | 1817,42 | | | |
| 1300 | | 1050,35 | 1092,24 | 1134,13 | 1190,68 | 1239,11 | 1296,16 | 1379,17 | 1444,61 | 1583,36 | 1670,83 | 1746,23 | 1821,61 | 1943,35 | 2065,09 | 2305,94 | | |
| 1400 | | 1102,69 | 1134,13 | 1165,55 | 1214,50 | 1264,76 | 1379,44 | 1443,04 | 1596,46 | 1662,42 | 1830,00 | 1937,59 | 2045,17 | 2169,01 | 2292,85 | 2366,15 | 2475,59 | |
| 1500 | | 1149,83 | 1174,97 | 1200,10 | 1246,97 | 1319,74 | 1461,38 | 1594,88 | 1744,39 | 1935,23 | 2118,52 | 2178,46 | 2238,40 | 2305,43 | 2372,45 | 2476,13 | 2691,34 | 2839,75 |
| 1600 | | 1226,47 | 1253,29 | 1280,10 | 1330,10 | 1407,72 | 1558,81 | 1701,22 | 1860,68 | 2064,24 | 2259,74 | 2323,68 | 2387,62 | 2459,11 | 2530,61 | 2641,20 | 2870,76 | 3029,06 |