

Result of measurement error

| height of probe | meas.-error | height of probe | meas.-error | height of probe | meas.-error |
|---------------------|-------------|------------------|-------------|-----------------|-------------|
| 6,8404 | 1,21E+0 | 4,5603 | 52,68E-2 | 2,2801 | 13,04E-2 |
| 6,7264 | 1,17E+0 | 4,4463 | 50,05E-2 | 2,1661 | 11,76E-2 |
| 6,6124 | 1,12E+0 | 4,3323 | 47,48E-2 | 2,0521 | 10,56E-2 |
| 6,4984 | 1,09E+0 | 4,2183 | 44,99E-2 | 1,9381 | 9,41E-2 |
| 6,3844 | 1,05E+0 | 4,1042 | 42,56E-2 | 1,8241 | 8,34E-2 |
| 6,2704 | 1,01E+0 | 3,9902 | 40,21E-2 | 1,7101 | 7,32E-2 |
| 6,1564 | 97,11E-2 | 3,8762 | 37,92E-2 | 1,5961 | 6,38E-2 |
| 6,0424 | 93,46E-2 | 3,7622 | 35,70E-2 | 1,4821 | 5,50E-2 |
| 5,9283 | 89,88E-2 | 3,6482 | 33,56E-2 | 1,3681 | 4,68E-2 |
| 5,8143 | 86,38E-2 | 3,5342 | 31,47E-2 | 1,2541 | 3,94E-2 |
| 5,7003 | 82,95E-2 | 3,4202 | 29,46E-2 | 1,1401 | 3,25E-2 |
| 5,5863 | 79,60E-2 | 3,3062 | 27,52E-2 | 1,0261 | 2,63E-2 |
| 5,4723 | 76,32E-2 | 3,1922 | 25,64E-2 | 0,9121 | 2,08E-2 |
| 5,3583 | 73,12E-2 | 3,0782 | 23,83E-2 | 0,7980 | 1,59E-2 |
| 5,2443 | 69,98E-2 | 2,9642 | 22,09E-2 | 0,6840 | 1,17E-2 |
| 5,1303 | 66,92E-2 | 2,8502 | 20,41E-2 | 0,5700 | 81,25E-4 |
| 5,0163 | 63,93E-2 | 2,7362 | 18,80E-2 | 0,4560 | 52,00E-4 |
| 4,9023 | 61,01E-2 | 2,6222 | 17,26E-2 | 0,3420 | 29,25E-4 |
| 4,7883 | 58,16E-2 | 2,5081 | 15,79E-2 | 0,2280 | 13,00E-4 |
| 4,6743 | 55,39E-2 | 2,3941 | 14,38E-2 | 0,1140 | 3,25E-4 |
| probe diameter: | 10,0000 | height of probe: | 6,8404 | | |
| workpiece diameter: | 30,0000 | | | | |

Result of measurement error

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|---------------------|-------------|------------------|-------------|-----------------|-------------|
| 6,8404 | 1,08E+0 | 4,5603 | 50,05E-2 | 2,2801 | 12,87E-2 |
| 6,7264 | 1,04E+0 | 4,4463 | 47,66E-2 | 2,1661 | 11,63E-2 |
| 6,6124 | 1,01E+0 | 4,3323 | 45,33E-2 | 2,0521 | 10,45E-2 |
| 6,4984 | 97,89E-2 | 4,2183 | 43,05E-2 | 1,9381 | 9,33E-2 |
| 6,3844 | 94,72E-2 | 4,1042 | 40,83E-2 | 1,8241 | 8,27E-2 |
| 6,2704 | 91,59E-2 | 3,9902 | 38,65E-2 | 1,7101 | 7,27E-2 |
| 6,1564 | 88,51E-2 | 3,8762 | 36,54E-2 | 1,5961 | 6,34E-2 |
| 6,0424 | 85,47E-2 | 3,7622 | 34,47E-2 | 1,4821 | 5,47E-2 |
| 5,9283 | 82,47E-2 | 3,6482 | 32,47E-2 | 1,3681 | 4,66E-2 |
| 5,8143 | 79,51E-2 | 3,5342 | 30,55E-2 | 1,2541 | 3,92E-2 |
| 5,7003 | 76,60E-2 | 3,4202 | 28,62E-2 | 1,1401 | 3,24E-2 |
| 5,5863 | 73,73E-2 | 3,3062 | 26,78E-2 | 1,0261 | 2,63E-2 |
| 5,4723 | 70,91E-2 | 3,1922 | 25,00E-2 | 0,9121 | 2,08E-2 |
| 5,3583 | 68,13E-2 | 3,0782 | 23,28E-2 | 0,7980 | 1,59E-2 |
| 5,2443 | 65,40E-2 | 2,9642 | 21,61E-2 | 0,6840 | 1,17E-2 |
| 5,1303 | 62,72E-2 | 2,8502 | 20,00E-2 | 0,5700 | 81,19E-4 |
| 5,0163 | 60,09E-2 | 2,7362 | 18,46E-2 | 0,4560 | 51,97E-4 |
| 4,9023 | 57,50E-2 | 2,6222 | 16,97E-2 | 0,3420 | 29,24E-4 |
| 4,7883 | 54,97E-2 | 2,5081 | 15,54E-2 | 0,2280 | 13,00E-4 |
| 4,6743 | 52,48E-2 | 2,3941 | 14,18E-2 | 0,1140 | 3,25E-4 |
| probe diameter: | 10,0000 | height of probe: | 6,8404 | | |
| workpiece diameter: | 30,0000 | | | | |

VBA - Program corrected !