Countersink Diameter/ Drill Point

Listed below are constant numbers for calculating depths for countersink diameters or drill points:

Degree	Number
30	.535898
60	1.1547
82	1.73858
90	2.0000
100	2.3835
118	3.32845
120	3.4641
135	4.82845
140	5.49485

Formula:

Diameter / Number = Depth

Example:

.500 / .535898 = .933

You are using a 30 degree tool and want to achieve a .500 diameter countersink. Your program depth you need is .933.