

MINIATURE NUMBER BASIC THREAD DATA

SIZE	THREADS PER INCH	PITCH	HELIX ANGLE	THREAD DEPTH	O.D.	P.D	M.D
0000-160	160	.00625"	6° 43"	.00406"	.0210"	.0169"	.0128"
000-120	120	.00833"	5° 18"	.00541"	.0340"	.0286"	.0232"
00-90	90	.01111"	5° 5"	.00722"	.0470"	.0398"	.0326"
0-80	80	.01250"	4° 23"	.00812"	.0600"	.0159"	.0438"
1-72	72	.01389"	3° 57"	.00902"	.0730"	.0640"	.0550"
2-56	56	.01786"	4° 22"	.01160"	.0860"	.0744"	.0628"

MINIATURE NUMBER SCREWS AND NUTS THREAD LIMITS

SIZE	SCREWS						NUTS		
	CLASS	O. D.		P. D.		M. D.	O. D.	P. D.	
		MAX.	MIN.	MAX.	MIN.	MAX	MIN.	MAX.	MIN.
0000-160 NS	2	.0210	.0195	.0169	.0158	.0128	.0210	.0181	.0169
	3	.0210	.0195	.0169	.0161	.0128	.0210	.0177	.0169
000-120 NS	2	.0340	.0325	.0286	.0272	.0232	.0340	.0300	.0286
	3	.0340	.0325	.0286	.0276	.0232	.0340	.0296	.0286
00-90 NS	2	.0470	.0450	.0398	.0382	.0326	.0470	.0414	.0398
	3	.0470	.0450	.0398	.0386	.0326	.0470	.0410	.0398
00-96 NS	2	.0470	.0450	.0402	.0386	.0334	.0470	.0418	.0402
	3	.0470	.0450	.0402	.0390	.0334	.0470	.0414	.0402
00-112 NS	2	.0470	.0450	.0412	.0397	.0354	.0470	.0427	.0412
	3	.0470	.0450	.0412	.0402	.0354	.0470	.0423	.0412
0-80 NF	2	.0600	.0566	.0519	.0502	.0447	.0600	.0536	.0519
	3	.0600	.0566	.0519	.0506	.0447	.0600	.0532	.0519
1-64 NC	2	.0730	.0692	.0629	.0610	.0538	.0730	.0648	.0629
	3	.0730	.0692	.0629	.0615	.0538	.0730	.0643	.0629
1-72 NF	2	.0730	.0694	.0640	.0622	.0560	.0730	.0658	.0640
	3	.0730	.0694	.0640	.0627	.0560	.0730	.0653	.0640
2-56 NC	2	.0860	.0820	.0744	.0724	.0641	.0860	.0764	.0744
	3	.0860	.0820	.0744	.0729	.0641	.0860	.0759	.0744
2-64 NF	2	.0860	.0822	.0759	.0740	.0668	.0860	.0778	.0759
	3	.0860	.0822	.0759	.0745	.0668	.0860	.0773	.0759

NOTE: Minor dia. of nuts is omitted as it is determine by the thread percentage required

MINIATURE NUMBER TAP DRILL SIZES

SIZE	THREAD PERCENTAGE AND TAP DRILL SIZE/ALTERNATE				Clearance Drill
	50%	55%	60%	65%	
0000-160	.42MM/---	.41MM/#78	.40MM/#78	.39MM/1/64"	#73
000-120	.72MM/#70	.70MM/#70	.69MM/#71	.68MM/---	#63
00-90	1.00MM/----	.98MM/#61	#62/---	.95MM/#63	1.25MM
0-80	1.31MM/----	1.29MM/----	1.27MM/----	1.25MM/----	#52
1-72	#52/----	1/16"/----	1.57MM/----	1.5MM/----	#48
2-56	1.88MM/----	#49MM/----	1.82MM/----	1.79MM/#50	#43
<u>Tap Drill Hole Size Calculation</u> (use smaller Num/Frac/Metric drill closest to result)					
Hole Size = Basic O.D. - (2x Thread Depth x Thread % Required)					

FLAT/CORNER DIMENSIONS (HEX/SQUARE)

Flat Dimensions									
3/64 .0469	1/16 .0625	5/64 .0781	3/32 .0938	7/64 .1094	1/8 .1250	9/64 .1406	5/32 .1563	3/16 .1875	1/4 .2500
Hex Corner Dimensions (1.1547 x Flat Dimension)									
.0542	.0722	.0902	.1083	.1263	.1443	.1624	.1805	.2165	.2887
Square Corner Dimensions (1.4142 x Flat Dimension)									
.0663	.0884	.1104	.1327	.1547	.1768	.1988	.2210	.2652	.3536