

# Tap & Drill Chart

Tap/Drill Sizes					
Tap Size	Tap Drill Size	Prob % of Thread	Tap Size	Tap Drill Size	Prob % of Thread
0-80	56	74	3/8-24	Q	75
	3/64"	71		8.5mm	70
1-64	54	81	7/16-14	U	75
	53	59	7/16-20	W	75
1-72	1.50mm	68		25/64"	68
	53	67	1/2-13	27/64"	75
2-56	51	74		11.0mm	64
	50	62	1/2-20	11.4mm	74
2-64	50	70		29/64"	67
	49	56	9/16-12	15/32"	84
3-48	48	78		31/64"	69
	5/64"	70	9/16-18	1/2"	82
3-56	46	69		33/64"	60
	45	56 5	5/8-11	17/32"	76
4-40	44	74		35/64"	63
	43	65	5/8-18	9/16"	82
4-48	2.35mm	72		37/64 "	60
	42	61	11/16-11	19/32"	75
5-40	39	71	11/16-16	5/8"	75
	38	65	3/4-10	41/64"	81
5-44	38	72		21/32"	69
	37	63	3/4-16	11/16"	72
6-32	36	72		17.5mm	70
	7/64"	64	7/8-9	49/64"	73
6-40	33	69		25/32"	62
	32	60	7/8-14	51/64"	79
8-32	3.40mm	74		13/16"	62
	29	62	1-8	7/8"	74
8-36	29	70		57/64"	64
	9/64"	60	1-12	29/32"	82
10-24	3.70mm	76		59/64"	68
	25	69	1-14	59/64"	79
10-32	5/32"	75		15/16"	62
	21	68	1-1/8-7	63/64"	73
12-24	11/64"	75		1"	65
	17	73	1-1/8-12	1-1/32"	82
12-28	16	77		1-3/64"	67
	15	70	1-1/4-7	1-3/32"	81
1/4-20	9	77		1-7/64"	73
	7	70		1-1/8"	64
1/4-28	13/64"	66	1-1/4-12	1-5/32"	81
	3	70		1-11/64"	67
5/16-18	5.50mm	67	1-3/8-6	1-13/64"	81
	F	72		1-19/64"	66
5/16-24	G	66	1-3/8-12	1-9/32"	81
	6.80mm	78		1-19/64"	66
	I	70	1-1/2-6	1-11/32"	69
3/8-16	5/16"	74		1-23/64"	62
	O	69	1-1/2-12	1-13/32"	80
				1-27/64"	66

Tap/Drill Sizes					
Tap Size	Tap Drill Size	Prob % of Thread	Tap Size	Tap Drill Size	Prob % of Thread
1.6x.35	1.25mm	69	9.0x1.25	7.75mm	73
1.8x.35	1.45mm	69	10x1.5	8.50mm	71
2.0x.4	1.60mm	69		Q	75
	52	66	10x1.25	8.70mm	73
2.2x.45	1.75mm	70		11/32"	71
2.5x.45	2.05mm	69	11x1.5	9.50mm	70
	46	67		3/8"	71
3.0x.5	2.50mm	68	12x1.75	10.20mm	74
	40	70		Y	71
3.5x.6	2.90mm	68	12x1.25	10.80mm	67
	33	72		27/64"	72
4.0x.7	3.30mm	69	14x2.0	12.00mm	72
	30	73		15/32"	76
4.5x.75	3.70mm	74	14x1.5	12.50mm	71
	26	70	16x2.0	14.00mm	72
5.0x.8	4.20mm	69		35/64"	76
	19	68	16x1.5	14.50mm	71
5.5x.9	4.60mm	68	18x2.5	15.50mm	73
	14	67		39/64"	74
6.0x.75	5.30mm	74	18x1.5	16.50mm	70
	4	73	20x2.5	17.50mm	73
6.0x1.0	5.00mm	70		11/16"	74
	9	71	22x2.5	19.50mm	73
7.0x.75	6.30mm	74		49/64"	75
	D	72	24x3.0	21.00mm	73
7.0x1.0	6.00mm	70		53/64"	72
	15/64"	73	27x3.0	24.00mm	73
8.0x1.25	6.70mm	74		15/16"	78
	17/64"	71	30x3.5	26.50mm	74
8.0x1.0	7.00mm	69		1-3/64"	73
	J	66	33x3.5	29.50mm	74
				1-11/64"	72

  

Pipe Tap Drill Sizes		
Tap Size	NPT Tap Drill	NPS Tap Drill
1/16-27	D	1/4"
1/8-27	Q	11/32"
1/4-18	7/16"	7/16"
3/8-18	9/16"	37/64"
1/2-14	45/64"	23/32"
3/4-14	29/32"	59/64"
1-11-1/2	1-9/64"	1-5/32"
1-1/4-11-1/2	1-31/64"	1-1/2"
1-1/2-11-1/2	1-47/64"	1-3/4"
2-11-1/2	2-13/64"	2-7/32"
2-1/2-8	2-5/8"	2-21/32"