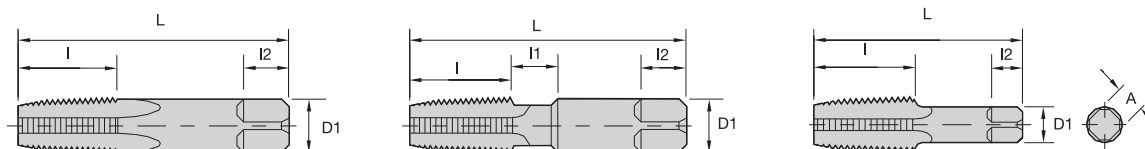


Technical Information

Standard Pipe Tap Dimensions • Straight and Taper • Ground Thread • Reference USCTI Table 311



General Dimensions

nominal size (in)	dimensions (in)						optional neck length l1
	overall length L	thread length l	square length l2	shank diameter D1	square size A		
1/16	2.13	.69	.38	.3125	.234		.375
1/8	2.13	.75	.38	.3125	.234		—
1/8	2.13	.75	.38	.4375	.328		.375
1/4	2.44	1.06	.44	.5625	.421		.375
3/8	2.56	1.06	.50	.7000	.531		.375
1/2	3.13	1.38	.63	.6875	.515		—
3/4	3.25	1.38	.69	.9063	.679		—
1	3.75	1.75	.81	1.1250	.843		—
1-1/4	4.00	1.75	.94	1.3125	.984		—
1-1/2	4.25	1.75	1.00	1.5000	1.125		—
2	4.25	1.75	1.13	1.8750	1.406		—
2-1/2	5.50	2.56	1.25	2.2500	1.687		—
3	6.00	2.63	1.38	2.6250	1.968		—
3-1/2	6.50	2.69	1.50	2.8125	2.108		—
4	6.75	2.75	1.56	3.0000	2.250		—

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Tolerances

element	range	direction	tolerance
length overall — L	1/16–3/4 inc.	plus/minus	.031
	1–4 inc.	plus/minus	.063
length of thread — l	1/16–3/4 inc.	plus/minus	.063
	1–1-1/4 inc.	plus/minus	.094
length of square — l2	1–1/2–4	plus/minus	.125
	1/16–3/4 inc.	plus/minus	.031
diameter of shank — d1	1–4 inc.	plus/minus	.063
	1/16–1/8	minus	.0015
size of square — a	1/4–1 inc.	minus	.0020
	1–1/4–4 inc.	minus	.0030
	1/16–1/8	minus	.004
	1/4–3/4 inc.	minus	.006
	1–4 inc.	minus	.008