Maintenance Taps

Taper Pipe Taps

FEATURES

- Ground thread for economical tapping
- HSS substrate
- NPT thread design
- Bright finish
- 3-1/2 thread chamfer
- Style 0462 features regular NPT thread design
- Style 0464 features interrupted thread for better lubrication and chip clearance

Style 0462 Regular NPT Thread

Style 0464 Interrupted NPT Thread

INCH SIZES

Tap Size	Tap TPI	Tap Series	Decimal Equiv.	Shank Diameter	Overall Length	Thread Length	Style 0462 Flutes	Style 0462 Regular Thread	Style 0464 Flutes	Style 0464 Interrupted Thread
1/8	27	NPT	.1250	.3125	2-1/8	3/4	4	C64213	5	C64223
1/8*	27	NPT	.1250	.4375	2-1/8	3/4	4	C64214	5	C64224
1/4	18	NPT	.2500	.5626	2-7/16	1-1/16	4	C64215	5	C64225
3/8	18	NPT	.3750	.7000	2-9/16	1-1/16	4	C64216	5	C64226
1/2	14	NPT	.5000	.6875	3-1/8	1-3/8	4	C64217	5	C64227
3/4	14	NPT	.7500	.9063	3-1/4	1-3/8	5	C64218	5	C64228
1	11-1/2	NPT	1.0000	1.1250	3-3/4	1-3/8	5	C64219	5	C64229
1-1/4	11-1/2	NPT	1.2500	1.3125	4	1-3/4	5	C64220	5	C64230
1-1/2	11-1/2	NPT	1.5000	1.5000	4-1/4	1-3/4	7	C64221		–
2	11-1/2	NPT	2.0000	1.8750	4-1/2	1-3/4	7	C64222		–

*large shank

Straight Pipe Taps

FEATURES

- Ground thread for economical tapping
- HSS substrate
- NPS thread design, suitable for NPSC or NPSM
- Bright finish
- 3-1/2 thread chamfer

Style 0463 NPS Thread

INCH SIZES

Tap Size	Tap TPI	Tap Series	Decimal Equiv.	No. of Flutes	Shank Diameter	Overall Length	Thread Length	Style 0463 Bright
1/8	27	NPSC	.1250	4	.4375	2-1/8	3/4	C64231
1/4	18	NPSC	.2500	4	.5626	2-7/16	1-1/16	C64232
3/8	18	NPSC	.3750	4	.7000	2-9/16	1-1/16	C64233
1/2	14	NPSC	.5000	4	.6875	3-1/8	1-3/8	C64234
3/4	14	NPSC	.7500	5	.9063	3-1/4	1-3/8	C64235
1	11-1/2	NPSC	1.0000	5	1.1250	3-3/4	1-3/8	C64236

Combination Tap and Drill

FEATURES

- Ground thread for economical tapping
- HSS substrate
- Bright finish
- Drill and tap in one operation without changing tools
- Two flutes run length of the tool
- Drill length dictates thickness of material to be worked

Style 0450 Tap/Drill

INCH SIZES

Tap Size	Tap TPI	Thread Series	Decimal Equiv.	No. of Flutes	Overall Length	Thread Length	Drill Length	Drill Size	**Style 0450** Bright
6	32	UNF	.1380	2	2	11/16	5/16	.1095	C64937
8	32	UNC	.1640	2	2-1/8	3/4	3/8	.1360	C64960
10	32	UNF	.1900	2	2-3/8	7/8	13/32	.1610	C64961
1/4	20	UNC	.2500	2	2-1/2	15/16	17/32	.2010	C64949
5/16	18	UNC	.3125	2	3	1-1/8	11/16	.2570	C64952
3/8	16	UNC	.3750	2	3-1/2	1-1/4	13/16	.3125	C64955

USCTI Table 325 – Thread Limits

Nominal Size and TPI		Major Diameter Basic	Major Diameter Min	Major Diameter Max	Pitch Diameter Basic	Pitch Diameter Min	Pitch Diameter Max
1/16	64 NS	.0625	.0635	.0650	.0524	.0526	.0536
1/8	40 NS	.1250	.1266	.1286	.1088	.1090	.1105
5/32	32 NS	.1563	.1585	.1605	.1360	.1365	.1380
8/16	24 NS	.1875	.1903	.1923	.1604	.1609	.1624
3/16	32 NS	.1875	.1897	.1917	.1672	.1677	.1692
1/4	20 NC	.2500	.2532	.2557	.2175	.2180	.2200
1/4	28 NF	.2500	.2524	.2549	.2268	.2273	.2288
5/16	18 NC	.3125	.3160	.3185	.2764	.2769	.2789
5/16	24 NF	.3125	.3153	.3178	.2854	.2859	.2874
3/8	16 NC	.3750	.3789	.3814	.3344	.3349	.3369
3/8	24 NF	.3750	.3778	.3803	.3479	.3484	.3499
7/16	14 NC	.4375	.4419	.4449	.3911	.3916	.3941
7/16	20 NF	.4375	.4407	.4437	.4050	.4055	.4075
1/2	13 NC	.5000	.5047	.5077	.4500	.4505	.4530
1/2	20 NF	.5000	.5032	.5062	.4675	.4680	.4700
9/16	12 NC	.5625	.5675	.5705	.5084	.5089	.5114
9/16	18 NF	.5625	.5660	.5690	.5264	.5269	.5289
5/8	11 NC	.6250	.6304	.6334	.5660	.5665	.5690
5/8	18 NF	.6250	.6285	.6315	.5889	.5894	.5914
3/4	10 NC	.7500	.7559	.7599	.6850	.6855	.6885
3/4	16 NF	.7500	.7539	.7579	.7094	.7099	.7124

Nominal Size and TPI		Major Diameter Basic	Major Diameter Min	Major Diameter Max	Pitch Diameter Basic	Pitch Diameter Min	Pitch Diameter Max
7/8	9 NC	.8750	.8820	.8860	.8028	.8038	.8068
7/8	14 NF	.8750	.8799	.8839	.8286	.8296	.8321
7/8	18 NS	.8750	.8790	.8830	.8389	.8399	.8424
1	8 NC	1.0000	1.0078	1.0118	.9188	.9198	.9228
1	12 NF	1.0000	1.0055	1.0095	.9459	.9469	.9494
1	14 NS	1.0000	1.0049	1.0089	.9536	.9546	.9571
1-1/8	7 NC	1.1250	1.1337	1.1382	1.0322	1.0332	1.0367
1-1/8	12 NF	1.1250	1.1305	1.1350	1.0709	1.0719	1.0749
1-1/4	7 NC	1.2500	1.2587	1.2632	1.1572	1.1582	1.1617
1-1/4	12 NC	1.2500	1.2555	1.2600	1.1959	1.1969	1.1999
1-3/8	6 NC	1.3750	1.3850	1.3895	1.2667	1.2677	1.2712
1-3/8	12 NF	1.3750	1.3805	1.3850	1.3209	1.3219	1.3249
1-1/2	6 NC	1.5000	1.5100	1.5145	1.3917	1.3927	1.3962
1-1/2	12 NF	1.5000	1.5055	1.5100	1.4459	1.4469	1.4499
1-5/8	6 NS	1.6250	1.6355	1.6410	1.5167	1.5182	1.5222
1-3/4	5 NC	1.7500	1.7602	1.7657	1.6201	1.6216	1.6256
1-7/8	5 NS	1.8750	1.8852	1.8907	1.7451	1.7466	1.7506
2	4-1/2 NC	2.0000	2.0111	2.0166	1.8557	1.8572	1.8612
2-1/4	4-1/2 NC	2.2500	2.2611	2.2671	2.1057	2.1072	2.1117
2-1/2	4 NC	2.5000	2.5128	2.5188	2.3376	2.3396	2.3441