



Lightning Bolt & Supply, Inc.

Phone (225) 272-6200 sales@lightningboltandsupply.com

Imperial Thread Pitch Chart & Tapping Chart for UNC & UNF

TAPPING DRILL SIZE							
UNC (UNIFIED NATIONAL COARSE)							
Nom. Dia. No./Inches	Threads per inch L.p.I.	Basic Major Diameter inches	Basic Effective Diameter inches	Basic Minor Dia. of Ext. Thd. inches	Basic Minor Dia. of Int. Thd. inches	Tapping Drill Size mm	Clearance Drill Size mm
No. 1	64	0.0730	0.0629	0.0538	0.0561	1.55	1.95
No. 2	56	0.0860	0.0744	0.0641	0.0667	1.85	2.30
No. 3	48	0.0990	0.0855	0.0734	0.0764	2.10	2.65
No. 4	40	0.1120	0.0958	0.0813	0.0849	2.35	2.95
No. 5	40	0.1250	0.1088	0.0943	0.0979	2.65	3.30
No. 6	32	0.1380	0.1177	0.0997	0.1042	2.85	3.60
No. 8	32	0.1640	0.1437	0.1257	0.1302	3.50	4.30
No.10	24	0.1900	0.1629	0.1389	0.1449	3.90	4.90
No.12	24	0.2160	0.1889	0.1649	0.1709	4.50	5.60
1/4	20	0.2500	0.2175	0.1887	0.1959	5.10	6.50
5/16	18	0.3125	0.2764	0.2443	0.2524	6.60	8.10
3/8	16	0.3750	0.3344	0.2983	0.3073	8.00	9.70
7/16	14	0.4375	0.3911	0.3499	0.3602	9.40	11.30
1/2	13	0.5000	0.4500	0.4056	0.4167	10.80	13.00
9/16	12	0.5625	0.5084	0.4603	0.4723	12.20	14.50
5/8	11	0.6250	0.5660	0.5135	0.5266	13.50	16.25
3/4	10	0.7500	0.6850	0.6273	0.6417	16.50	19.25
7/8	9	0.8750	0.8028	0.7387	0.7547	19.50	22.50
1	8	1.0000	0.9188	0.8466	0.8647	22.25	22.75
1 1/8	7	1.1250	1.0322	0.9497	0.9704	25.00	29.00
1 1/4	7	1.2500	1.1572	1.0747	1.0954	28.00	32.00
1 3/8	6	1.3750	1.2667	1.1705	1.1946	30.75	35.50
1 1/2	6	1.5000	1.3917	1.2955	1.3196	34.00	38.50
1 3/4	5	1.7500	1.6201	1.5046	1.5335	39.50	45.00
2	4 1/2	2.0000	1.8557	1.7274	1.7594	45.00	51.00
2 1/4	4 1/2	2.2500	2.1057	1.9774	2.0094	52.00	58.00

TAPPING DRILL SIZE							
UNF (UNIFIED NATIONAL FINE)							
Nom. Dia. No./Inches	Threads per inch L.p.I.	Basic Major Diameter inches	Basic Effective Diameter inches	Basic Minor Dia. of Ext. Thd. inches	Basic Minor Dia. of Int. Thd. inches	Tapping Drill Size mm	Clearance Drill Size mm
No. 0	80	0.0600	0.0519	0.0447	0.0465	1.25	1.60
No. 1	72	0.0730	0.0640	0.0560	0.0580	1.55	1.95
No. 2	64	0.0860	0.0759	0.0668	0.0691	1.90	2.30
No. 3	56	0.0990	0.0874	0.0771	0.0797	2.15	2.65
No. 4	48	0.1120	0.0985	0.0864	0.0894	2.40	2.95
No. 5	44	0.1250	0.1102	0.0971	0.1004	2.70	3.30
No. 6	40	0.1380	0.1218	0.1073	0.1109	2.95	3.60
No. 8	36	0.1640	0.1460	0.1299	0.1339	3.50	4.30
No.10	32	0.1900	0.1697	0.1517	0.1562	4.10	4.90
No.12	28	0.2160	0.1928	0.1722	0.1773	4.70	5.60
1/4	28	0.2500	0.2268	0.2062	0.2113	5.50	6.50
5/16	24	0.3125	0.2854	0.2614	0.2674	6.90	8.10
3/8	24	0.3750	0.3479	0.3239	0.3299	8.50	9.70
7/16	20	0.4375	0.4050	0.3762	0.3834	9.90	11.30
1/2	20	0.5000	0.4675	0.4387	0.4459	11.50	13.00
9/16	18	0.5625	0.5264	0.4943	0.5024	12.90	14.50
5/8	18	0.6250	0.5889	0.5568	0.5649	14.50	16.25
3/4	16	0.7500	0.7094	0.6733	0.6823	17.50	19.25
7/8	14	0.8750	0.8286	0.7874	0.7977	20.40	22.50
1	12	1.0000	0.9459	0.8978	0.9098	23.25	25.75
1 1/8	12	1.1250	1.0709	1.0228	1.0348	26.50	29.00
1 1/4	12	1.2500	1.1959	1.1478	1.1598	29.50	32.00
1 3/8	12	1.3750	1.3209	1.2728	1.2848	32.75	35.50
1 1/2	12	1.5000	1.4459	1.3978	1.4098	36.00	38.50

- B7/B7M
- L7/L7M
- B8/B8M
- Hastelloy
- Monel
- Alloy 20

- Duplex
- Stainless
- Inconel
- Nitronic
- Plus 60
- other alloys...

- Anchor Bolts
- J-Bolts
- U-Bolts
- Specials

- 14 colors available
- B7 bolts & studs in stock
- HOT/same-day shipping
- Xylan®/Teflon™/PTFE

PMI Available 24-HOUR
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sales@lightningboltandsupply.com

1-888-390-BOLT (2658)